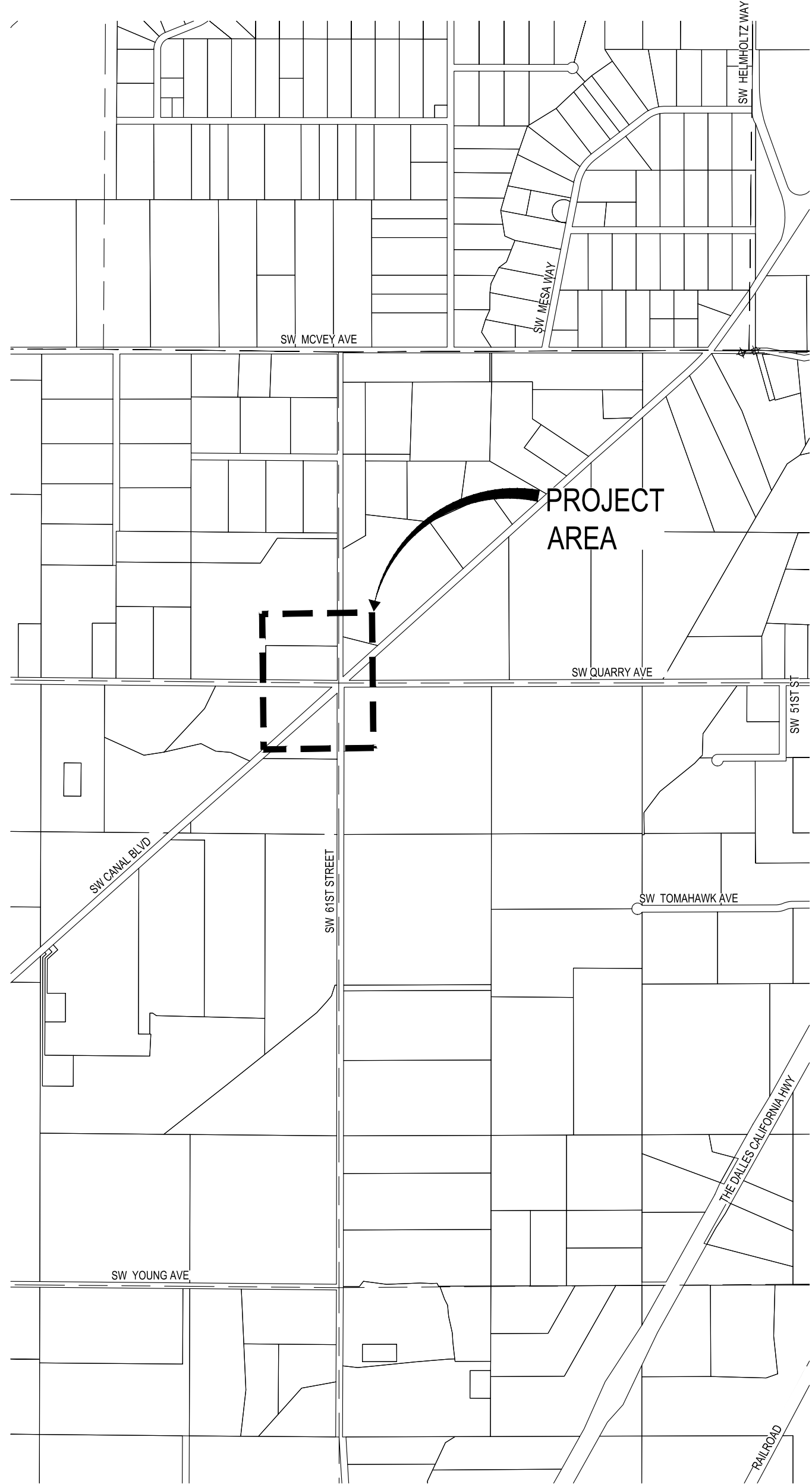


PATH: U:\Bend\Projects\Clients\2509-Deschutes County\2509-005 06RH Design Phase\98Svcs\CADD\DWG\SIX-CORNERS\CD'S PLOTTED BY: ricodav DATE: Friday, May 3, 2019 11:23:10 AM LAYOUT: C1.0 COVER SHEET



VICINITY MAP  
SCALE: 1" = 2000'

GENERAL NOTES:

ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED IN THIS CONTRACTS SPECIAL PROVISIONS, BE CONSTRUCTED IN ACCORDANCE WITH THE OREGON STATE "OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION," REVISED 2018

EXISTING UNDERGROUND UTILITIES ARE SHOWN AS PER FIELD LOCATION AND OR AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION AND ELEVATION IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION. LOCATES CAN BE REQUESTED THRU THE ONE CALL CENTER AT 811

ATTENTION: OREGON LAW REQUIRES THAT YOU FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN O.A.R 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER AT 503-232-1987

IT IS THE CONTRACTORS RESPONSIBILITY TO RE-ESTABLISH, PER OREGON REVISED STATUES, ALL SURVEY MONUMENTS DISTURBED OR DESTROYED BY THIS WORK. THIS INCLUDES MONUMENTS NOT SHOWN IN THESE PLANS, WHICH ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ELEVATIONS OF SIDE SHOT MONUMENTS FOR USE AS TEMPORARY BENCH MARKS AND SET TEMPORARY BENCH MARKS OR ADDITIONAL HORIZONTAL CONTROL AS NEEDED.

UPON AWARD OF THE CONTRACT, PARAMETRIX WILL PROVIDE THE CONTRACTOR WITH AN "ASCII" POINT FILE CONTAINING ALL CONTROL POINTS ALONG WITH ALIGNMENT CENTER LINE POINTS AT 50' STATIONS.

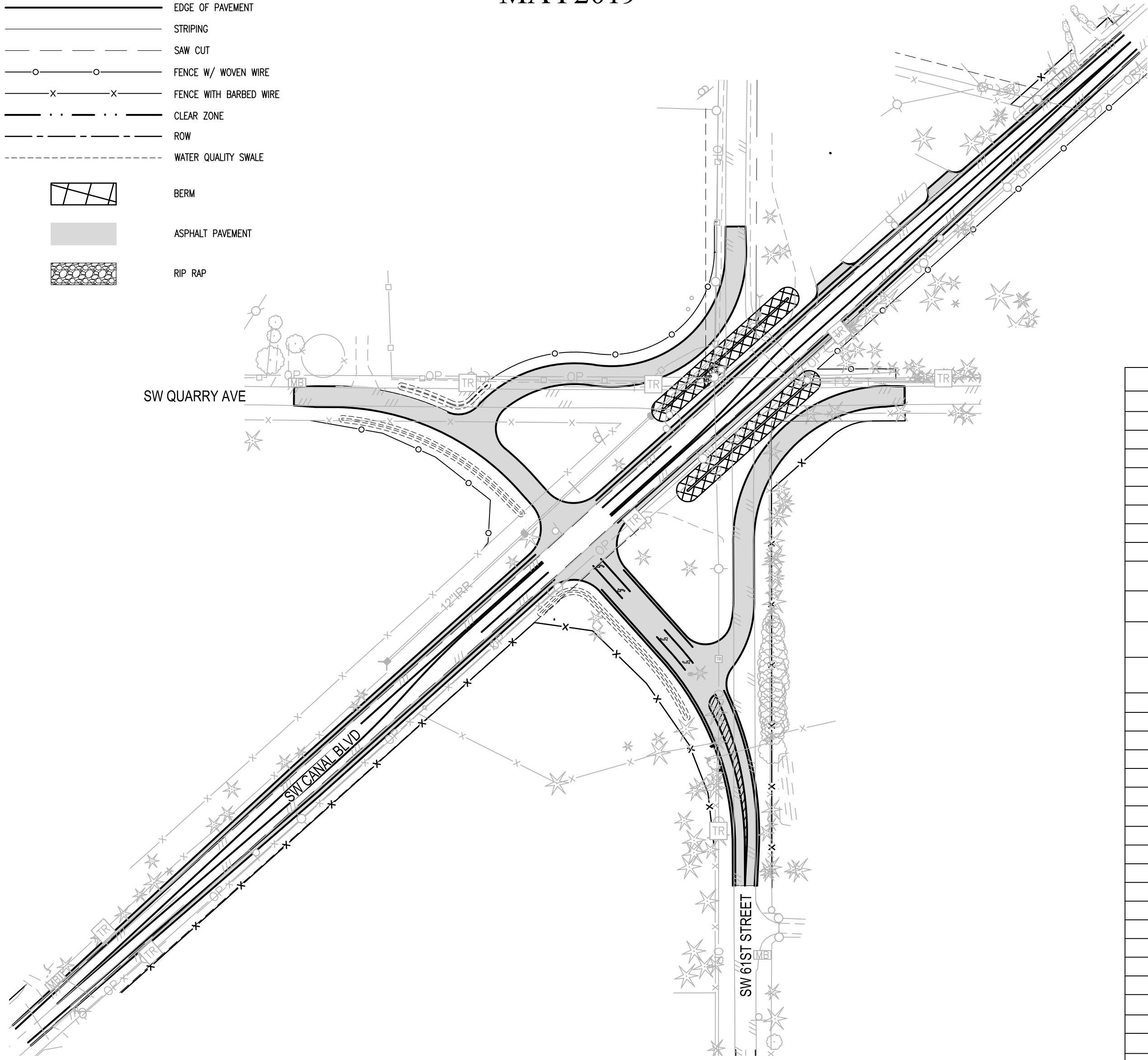
EXISTING LEGEND:

- FOUND MONUMENT
- FOUND REBAR, NO CAP
- FOUND REBAR WITH CAP
- FOUND IRON PIPE
- SET CONTROL POINT (SEE CONTROL TABLE)
- CABLE TV RISER
- TELEPHONE POLE
- POWER POLE WITH DROP LINE
- POWER POLE WITH DROP LINE & TRANSFORMER
- POWER POLE GUY ANCHOR
- TELEPHONE JUNCTION BOX
- TELEPHONE RISER
- WATER METER
- WATER VALVE
- WATER IRRIGATION VALVE
- WATER WELL
- SIGN, AS NOTED
- JUNIPER TREE (TRUNK AND DRIPLINE DIAMETER NOTED)
- DECIDUOUS TREE (TRUNK AND DRIPLINE DIAMETER NOTED)

- FOG LINE STRIPING
- DOUBLE YELLOW STRIPING
- EDGE OF PAVEMENT
- EDGE OF CONCRETE
- EDGE OF GRAVEL
- ROCKERY
- CENTERLINE IRRIGATION DITCH
- WOOD FENCE
- BARB WIRE FENCE
- POWER LOCATE MARKING
- POWER OVERHEAD
- FIBER OPTIC LOCATE MARKING
- TELEPHONE LOCATE MARKING
- IRRIGATION LOCATE MARKING
- RIGHT-OF-WAY LINE
- CENTER LINE RIGHT-OF-WAY
- LOT LINE
- EASEMENT

PROPOSED LEGEND:

- EDGE OF PAVEMENT
- STRIPING
- SAW CUT
- FENCE W/ WOVEN WIRE
- FENCE WITH BARBED WIRE
- CLEAR ZONE
- ROW
- WATER QUALITY SWALE
- BERM
- ASPHALT PAVEMENT
- RIP RAP



INTERSECTION IMPROVEMENTS

AREA MAP

1"=100'



BASIS OF BEARING

BASED ON THE OREGON REAL-TIME GPS NETWORK (ORGN)

DATUM

HORIZONTAL: NAD83 (2011) BASED ON OREGON REAL-TIME GPS NETWORK (ORGN)

VERTICAL: NGVD 29

PROJECTION IS CENTRAL OREGON COORDINATE SYSTEM (C.O.C.S), INTERNATIONAL FEET

BENCHMARK

BENCH MARK FOR THIS PROJECT IS POINT 1052, BEING FOUND 5/8 INCH ROD WITH PLASTIC CAP MARKED PARAMETRIX CONTROL

OWNER

DESCHUTES COUNTY ROAD DEPARTMENT  
61150 SE 27TH  
BEND, OR 97702  
CONTACT: CODY SMITH  
PHONE: (541) 322-7105 (OFFICE)  
EMAIL: CODY.SMITH@deschutes.org

ENGINEER

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PHONE: (541) 508-7710  
EMAIL: ahuston@parametrix.com

SHEET LIST TABLE	
SHEET #	SHEET TITLE
C1.0	COVER SHEET
C1.1	PROJECT DETAILS
C2.0	TYPICAL SECTIONS
C3.0	EXISTING CONDITIONS
C3.1	EXISTING CONDITIONS
C3.2	EXISTING CONDITIONS
C4.0	PLAN & PROFILE, SW CANAL BLVD
C4.1	PLAN & PROFILE, SW CANAL BLVD
C4.2	PLAN & PROFILE, SW QUARRY WEST SECTION AVE TO SW 61ST STREET NORTH SECTION
C4.3	PLAN & PROFILE, SW 61ST STREET SOUTH SECTION TO SW QUARRY AVE EAST SECTION
C4.4	PLAN & PROFILE, SW 61ST STREET NORTH SECTION TO SW QUARRY AVE WEST SECTION
C4.5	PLAN & PROFILE, SW QUARRY AVE EAST SECTION TO SW 61ST STREET SOUTH SECTION
C5.0	CONSTRUCTION STAGING, STAGE 1
C5.1	CONSTRUCTION STAGING, STAGE 2
C5.2	CONSTRUCTION STAGING, STAGE 3
C5.3	CONSTRUCTION STAGING, STAGE 4
C5.4	CONSTRUCTION STAGING, STAGE 5
C5.5	CONSTRUCTION STAGING, STAGE 6
C6.0	EROSION CONTROL PLAN
SS1	LEGEND
SS2	EXISTING SIGN DETAILS
SS3	PROPOSED SIGN DETAILS
SS4	SIGN AND POST DATA TABLE
SS5	SIGN AND POST DATA TABLE
SS6	SIGNING AND STRIPING PLAN CANAL BLVD
SS7	SIGNING AND STRIPING PLAN CANAL BLVD
SS8	SIGNING AND STRIPING PLAN CANAL BLVD
SS9	SIGNING AND STRIPING PLAN QUARRY AVE
SS10	SIGNING AND STRIPING PLAN 61ST ST
SS11	SIGNING AND STRIPING PLAN SW QUARRY AVE
SS12	DETOUR PLAN-STAGE 2
SS13	DETOUR PLAN-STAGE 3 & 5
SS14	DETOUR PLAN-STAGE 4
IL1	LEGEND
IL2	LIGHTING PLAN

DESCHUTES COUNTY APPROVAL:

COUNTY ENGINEER

FOR BIDDING REFERENCE ONLY

REVISIONS	DATE	BY	DESIGNED DR
			DRAWN DR/LYF
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME BE-2509-005.3-C1.0-CS00
JOB No.
DATE



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PROJECT NAME

SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS

COVER SHEET

DRAWING NO.  
1 OF 35

C1.0



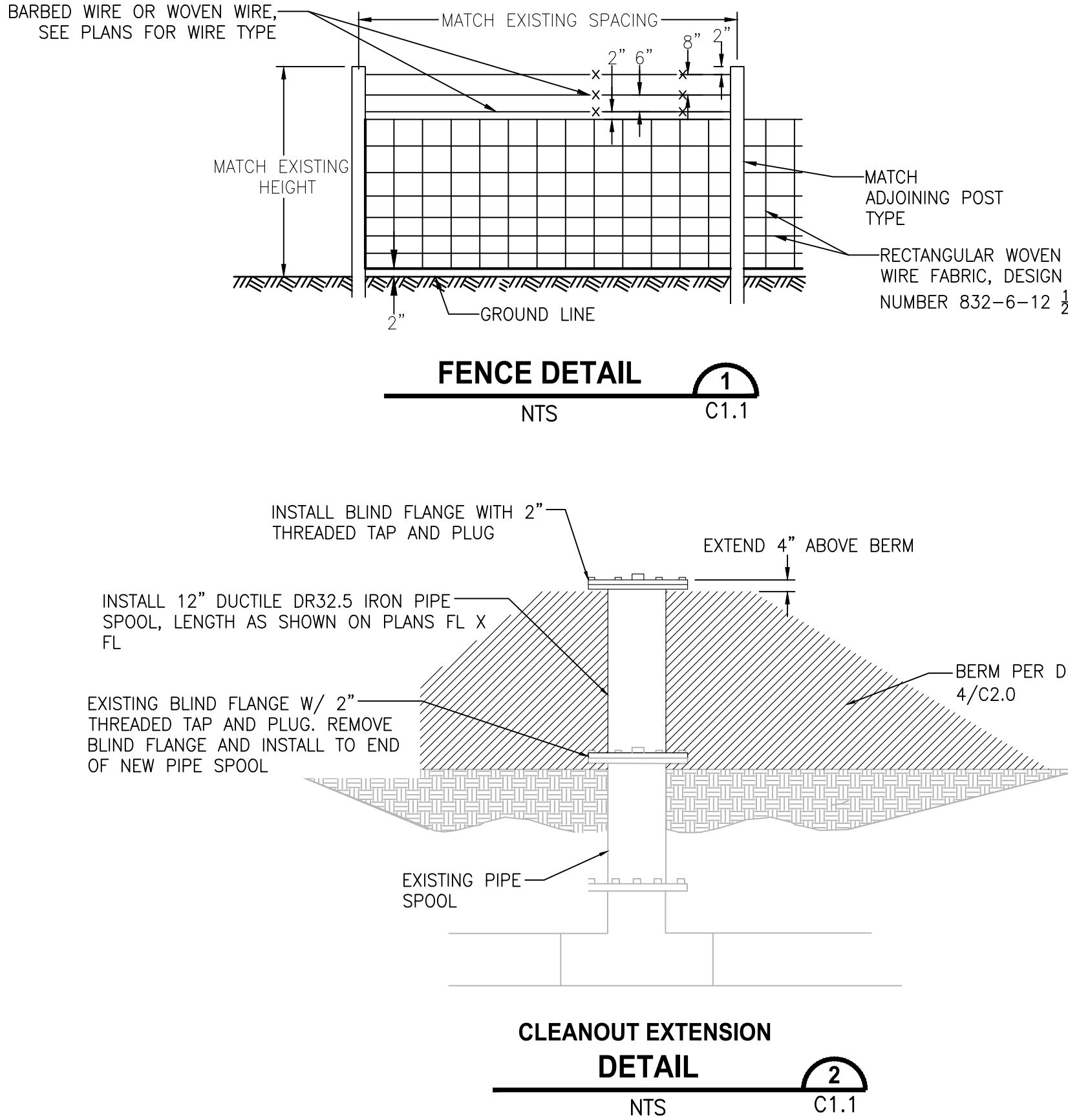
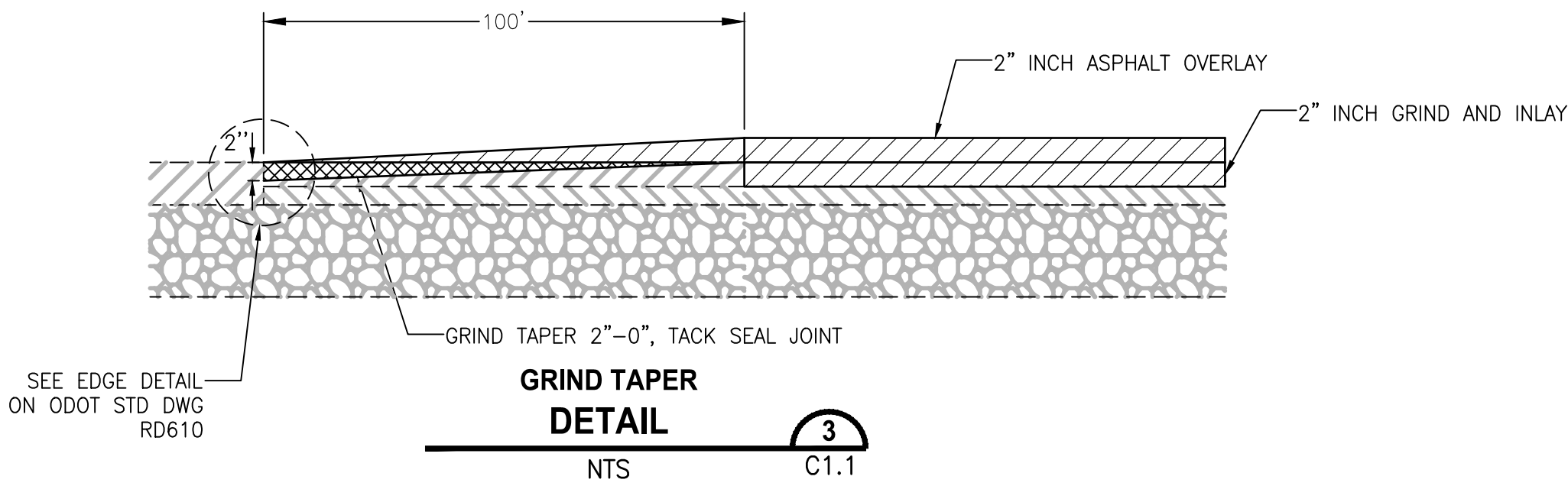
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 PLOTTED BY: fccodov DATE: Friday, May 3, 2019 11:23:25 AM

FOUND MONUMENTS TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1156	441383.60	3309127.14	3156.92	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED TYE ENGINEERING
1157	441671.62	3310409.63	3150.56	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED TYE ENGINEERING UP 0.9
1158	441751.38	3310458.90	3150.43	5/8 INCH IRON ROD WITH YELLOW PLASTIC CAP MARKED BAXTER SURVEYING
1260	441341.21	3310439.58	3152.06	FOUND 2-1/2IN BRASS CAP
1261	441112.48	3310415.28	3151.81	FOUND 1IN IRON PIPE WITH YELLOW PLASTIC CAP MARKED PLS 1952 UP 0.1
1262	440653.93	3310415.82	3152.85	FOUND 3/4IN IRON PIPE WITH PLASTIC CAP ILLEGIBLE UP 0.1
1263	440021.51	3310416.64	3151.78	FOUND 5/8IN IRON ROD WITH ORANGE PLASTIC CAP MARKED WA LS44648 OR 83256LS FLUSH
1264	440021.54	3310467.80	3151.67	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED PLS 1632 UP 0.1
1265	441314.83	3311462.33	3144.02	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP PARTIALLY DESTROYED ILLEGIBLE FLUSH
1266	441346.02	3311760.53	3140.14	FOUND 5/8IN IRON ROD REMENANT PORTION OF YELLOW PLASTIC CAP ILLEGIBLE
1267	441350.65	3313081.36	3123.94	FOUND 3-1/4IN BRASS CAP IN MON BOX
1268	441671.59	3310414.11	3150.39	FOUND 1IN IRON PIPE UP 0.6
1269	442661.86	3310439.75	3149.22	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP ILLEGIBLE FLUSH
1270	442661.77	3310409.72	3148.78	FOUND 5/8IN IRON ROD WITH BROKEN YELLOW PLASTIC CAP ILLEGIBLE DOWN 0.4
1271	442612.14	3310409.67	3148.91	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED TYE ENGINEERING FLUSH
1272	442523.10	3310462.22	3148.79	FOUND 1/2IN IRON ROD UP 0.2
1273	442822.56	3310463.31	3146.88	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED BAXTER SURVEYING FLUSH
1274	444259.80	3310439.69	3124.57	FOUND 3-1/4IN BRASS CAP
1275	443982.58	3310439.80	3128.06	FOUND 3-1/4IN ALUMINUM CAP
1276	441377.29	3309783.44	3154.65	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED TYE ENGINEERING UP 0.4
1277	441347.33	3309783.38	3154.87	FOUND 1IN IRON PIPE BELOW CHIP SEAL
1278	441383.54	3309127.18	3156.88	FOUND 5/8IN IRON ROD WITH YELLOW PLASTIC CAP MARKED TYE ENGINEERING UP 0.4
1279	441353.49	3309127.14	3156.71	FOUND 1IN IRON PIPE BELOW CHIP SEAL
1280	441365.80	3307814.68	3164.33	FOUND 3-1/4IN BRASS CAP
1281	443330.48	3312612.27	3137.45	FOUND 1IN IRON PIPE UP 0.4
1282	442733.80	3311945.41	3143.35	FOUND 1/2IN IRON ROD UP 0.3
1283	442346.69	3311513.65	3145.63	FOUND 1IN IRON PIPE UP 0.1
1284	441673.27	3310762.63	3149.93	FOUND 1IN IRON PIPE UP 0.9
1285	441169.43	3310287.48	3151.91	FOUND 1IN IRON PIPE BENT TIED POE
1286	440653.14	3309709.45	3154.32	FOUND 5/8IN IRON ROD WITH ORANGE PLASTIC CAP MARKED WA LS44648 OR 83256LS FLUSH
1287	440131.02	3309125.03	3152.81	FOUND 5/8IN IRON ROD WITH ORANGE PLASTIC CAP MARKED WA LS44648 OR 83256LS FLUSH
1288	440033.43	3309125.02	3152.26	FOUND 5/8IN IRON ROD WITH ORANGE PLASTIC CAP MARKED WA LS44648 OR 83256LS FLUSH
1289	440035.49	3309017.77	3151.39	FOUND 5/8IN IRON ROD BENT TIED POE
1290	441350.88	3310445.19	3152.02	1-1/4 STEEL BAR
536870914	436108.31	3305174.95	3174.80	
536870915	436061.79	3310432.48	3177.34	
536870916	433426.42	3310418.75	3194.95	

FOUND MONUMENTS  
 N.T.S

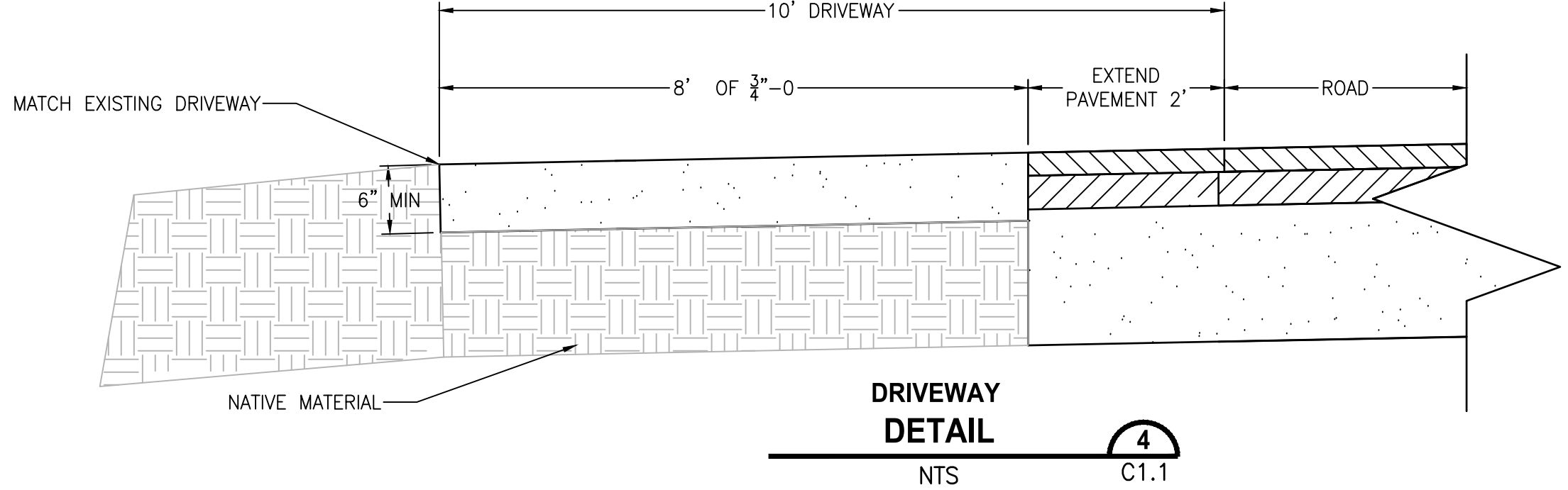
PARAMETRIX CONTROL TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1036	441857.17	3311045.33	3146.27	5/8 INCH IRON ROD WITH 1-1/2 INCH ALUMINUM CAP MARKED PARAMETRIX CNTL
1037	440656.66	3309708.42	3154.61	5/8 INCH IRON ROD WITH 1-1/2 INCH ALUMINUM CAP MARKED PARAMETRIX CNTL
1038	440644.27	3310466.09	3152.00	5/8 INCH IRON ROD WITH 1-1/2 INCH ALUMINUM CAP MARKED PARAMETRIX CNTL
1039	440751.99	3309815.18	3154.46	5/8 INCH IRON ROD WITH 1-1/2 INCH ALUMINUM CAP MARKED PARAMETRIX CNTL
1050	441027.89	3310043.33	3151.97	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL
1051	441353.22	3310133.86	3152.06	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL
1052	441781.82	3310419.24	3149.97	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL
1053	441322.78	3310590.83	3151.28	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL
1054	441260.08	3310412.84	3150.60	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL
1055	441614.25	3310704.75	3149.15	5/8 INCH IRON ROD WITH RED PLASTIC CAP MARKED PARAMETRIX CONTROL

CONTROL TABLE  
 N.T.S



ODOT STD DWG INDEX	
RD 100	MAILBOX SUPPORT
RD 610	ASPHALT CONCRETE PAVEMENT (ACP) DETAILS
RD 810	BARBED AND WOVEN WIRE FENCE
TM 200	SIGN INSTALLATION DETAILS
TM 201	MISCELLANEOUS SIGN PLACEMENT DETAILS
TM 500	PAVEMENT MARKING STANDARD DETAIL BLOCKS
TM 501	PAVEMENT MARKING STANDARD DETAIL BLOCKS
TM 503	PAVEMENT MARKING STANDARD DETAIL BLOCKS
TM 530	INTERSECTION PAVEMENT MARKINGS (CROSSWALK, STOP BAR & BIKE LANE STENCIL)
TM 531	TURN ARROW MARKING DETAILS
TM 539	MEDIAN AND LEFT TURN CHANNELIZATION DETAILS
TM 560	ALIGNMENT LAYOUT: GENERAL
TM 561	ALIGNMENT LAYOUT: LEFT TURN LANE, CENTERLINE, & MEDIANS
TM 671	3 SECOND GUST WIND SPEED MAP
TM 676	SIGN ATTACHMENTS
TM 681	PERFORATED STEEL SQUARE TUBE (PSST) SIGN SUPPORT INSTALLATION
TM 688	SECONDARY SIGN MOUNTING DETAILS
TM 800	TABLES, ABRUPT EDGE AND PCMS DETAILS
TM 820	TEMPORARY BARRICADES
TM 821	TEMPORARY BARRICADES
TM 822	TEMPORARY BARRICADES
TM 840	CLOSURE DETAILS
TM 841	INTERSECTION WORK ZONE DETAILS
TM 850	2-LANE, 2-WAY ROADWAYS

- CONSTRUCTION NOTES:
- NO CONSTRUCTION SHALL BE STARTED WITHOUT A NOTICE TO PROCEED BY THE DESCHUTES COUNTY ROAD DEPARTMENT. THE COUNTY ROAD DEPARTMENT AND THE DESIGN ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. ANY CONSTRUCTION WORK DONE PRIOR TO NOTICE TO PROCEED BEING ISSUED OR WITHOUT INSPECTION WILL BE REJECTED.
  - CONTRACTOR SHALL VERIFY ALL CONDITIONS ON THE JOB SITE INCLUDING BUT NOT LIMITED TO, ALL DIMENSIONS, GRADES, ELEVATIONS, EXTENT AND COMPATIBILITY TO THE EXISTING SITE CONDITIONS, AND WITH THE WORK DESCRIBED ON THE ENGINEER'S DRAWINGS. ANY DISCREPANCIES OR UNEXPECTED CONDITIONS THAT AFFECT OR CHANGE THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. CONTRACTOR SHALL NOT PROCEED WITH ANY OF THE WORK IN THE AREA OF DISCREPANCIES UNTIL ALL SUCH DISCREPANCIES ARE RESOLVED. IF THE CONTRACTOR CHOOSES TO DO SO, THEN IT IS UNDERSTOOD THAT THE CONTRACTOR IS CHOOSING TO PROCEED AT THE CONTRACTOR'S OWN RISK AND SHALL INCUR ALL COSTS, IF ANY TO RESOLVE THE ISSUES TO THE SATISFACTION OF THE ENGINEER.
  - ALL CONSTRUCTION WORK AND INSTALLATIONS SHALL CONFORM TO COUNTY STANDARDS AND SPECIFICATIONS, 2018 OREGON STANDARD DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTION, AND ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY.
  - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT "UNDERGROUND LOCATE SERVICE" AT 1-800-332-2344, PRIOR TO THE START OF CONSTRUCTION, TO LOCATE POWER, GAS, CABLE TV AND TELEPHONE UNDERGROUND FACILITIES. THE ONE CALL CENTER BUSINESS HOURS ARE 8:00 A.M. TO 5:00 P.M. ANY LOCATE REQUESTS PLACED AFTER 5:00 P.M., WILL BE TREATED AS IF THEY WERE SUBMITTED AT 8:00 A.M. THE FOLLOWING BUSINESS MORNING. THE 2 BUSINESS-DAY (48 BUSINESS HOURS) WAITING PERIOD BEGINS AT THAT TIME. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE PUBLIC AGENCY FOR THE LOCATION OF UNDERGROUND FACILITIES.
  - ALL UTILITIES SHOWN ARE ACCURATE TO THE EXTENT OF AVAILABLE RECORDS AND KNOWLEDGE. NO POTHOLES TO VERIFY LOCATIONS AND ELEVATIONS WAS AUTHORIZED BY THE OWNER. THE CONTRACTOR HAS THE TOTAL RESPONSIBILITY TO VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND TO NOTIFY THE UTILITY COMPANIES WHEN WORKING IN THEIR PROXIMITY. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503)232-2987.
  - ALL UTILITY SERVICES WILL BE FIELD STAKED IN ACCORDANCE WITH DESCHUTES COUNTY STANDARDS AND SPECIFICATIONS.
  - CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND IMPROVEMENTS.
  - ANY DAMAGE TO EXISTING FACILITIES OR IMPROVEMENTS, RESULTING FROM THE CONTRACTOR'S OPERATION, SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.
  - CONTRACTOR SHALL EXPOSE, VERIFY, CONNECT AND/OR MATCH EXISTING UTILITIES AND IMPROVEMENTS, IN CONFORMANCE WITH DESCHUTES COUNTY STANDARDS AND SPECIFICATIONS, TO PROVIDE COMPLETE AND/OR OPERATIONAL SYSTEMS.
  - DURING THE COURSE OF THE WORK, CONTRACTOR SHALL COORDINATE AND ACCOMMODATE OTHER CONTRACTORS OR OPERATIONS OF THE COUNTY.
  - ALL TRENCH BACKFILL OR EMBANKMENTS WITHIN PUBLIC WAYS AND AREAS OUTSIDE OF PAVING SHALL BE CONSTRUCTED TO DESCHUTES COUNTY STANDARDS AND SPECIFICATIONS AND THE 2018 OREGON STANDARDS FOR CONSTRUCTION.
  - CONTRACTOR SHALL RESTRICT ALL OPERATIONS TO THE AREAS WITHIN THE PROJECT BOUNDARIES. ANY DISRUPTION TO NATIVE LANDSCAPES, OUTSIDE OF THE PROJECT AREA, SHALL BE RESTORED AT NO COST TO THE OWNER.
  - CABLE AND GAS UTILITY TRENCHING SHALL BE COMPLETED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS FROM APPLICABLE UTILITY COMPANIES. ALL CABLE AND GAS UTILITIES WILL BE INSTALLED BY THE APPLICABLE UTILITY COMPANY IN CONFORMANCE WITH THEIR JOINT TRENCH DETAIL. CONTRACTOR SHALL COORDINATE TRENCH EXCAVATIONS, BEDDING AND BACKFILL WITH POWER, PHONE, TELEVISION, AND GAS REPRESENTATIVES.
  - ALL GRADING SHALL BE IN CONFORMANCE WITH THE CURRENT COUNTY STANDARDS.
  - ALL FINAL CUT SLOPES SHALL NOT EXCEED A GRADE OF 2 HORIZONTAL TO 1 VERTICAL UNLESS OTHERWISE APPROVED. FILL SLOPES SHALL NOT EXCEED A GRADE OF 2 HORIZONTAL TO 1 VERTICAL UNLESS OTHERWISE APPROVED BY THE ENGINEER OR SHOWN ON THESE PLANS.
  - ALL UNSUITABLE SOILS MATERIALS, RUBBISH AND DEBRIS RESULTING FROM GRADING OPERATIONS SHALL BE REMOVED FROM THE JOB SITE AND DISPOSED OF PROPERLY.
  - THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT, AND METHODS REQUIRED TO PREVENT DUST IN AMOUNTS DAMAGING TO PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM CONSTRUCTION.
  - THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE INDUSTRIAL SAFETY REGULATIONS. DESCHUTES COUNTY AND THEIR OFFICIALS, THE ENGINEER, AND THE OWNER SHALL NOT BE RESPONSIBLE FOR ENFORCING SAFETY REGULATIONS.
  - MATERIAL QUANTITIES USED, NOTED, OR PROVIDED IN A SEPARATE ITEMIZED QUANTITY TAKE-OFF ARE AN ENGINEER'S OPINION OF PROBABLE MATERIAL REQUIREMENTS, AND IS AN ESTIMATE ONLY. CONTRACTORS HAVE THE SOLE RESPONSIBILITY OF MAKING THEIR OWN QUANTITY TAKE-OFF AND COST ESTIMATE.
  - BIDDERS SHALL BE PREQUALIFIED WITH THE STATE OF OREGON IN ACCORDANCE WITH ORS 279C.430-279C.450 AND DESCHUTES COUNTY CODE 12.52.020.
  - COUNTY ROAD DEPARTMENT'S SIGNATURE DOES NOT CONSTITUTE APPROVAL OF FACILITIES PROPOSED ON PRIVATE PROPERTY.
  - ANY WORK WITHIN EXISTING PUBLIC RIGHT-OF-WAY OR DEDICATED EASEMENTS REQUIRES A PERMIT TO WORK IN THE PUBLIC RIGHT-OF-WAY OBTAINED FROM DESCHUTES COUNTY. WORK WITHIN THE RIGHT-OF-WAY OR EASEMENTS MAY OCCUR ONLY BETWEEN THE HOURS OF 7:00 AM AND 7:00 PM, UNLESS OTHERWISE PERMITTED, ANY AND EVERY CALENDAR DAY EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS.
  - TEMPORARY ACCESS FOR ALL USERS SHALL BE MAINTAINED WITHIN THE EXISTING RIGHT-OF-WAY AND EASEMENTS.



FOR BIDDING REFERENCE ONLY

REVISIONS	DATE	BY	DESIGNED DR
			DRAWN DR/LYF
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME BE-2509-005.3-C1.1-NT00
JOB No.
DATE



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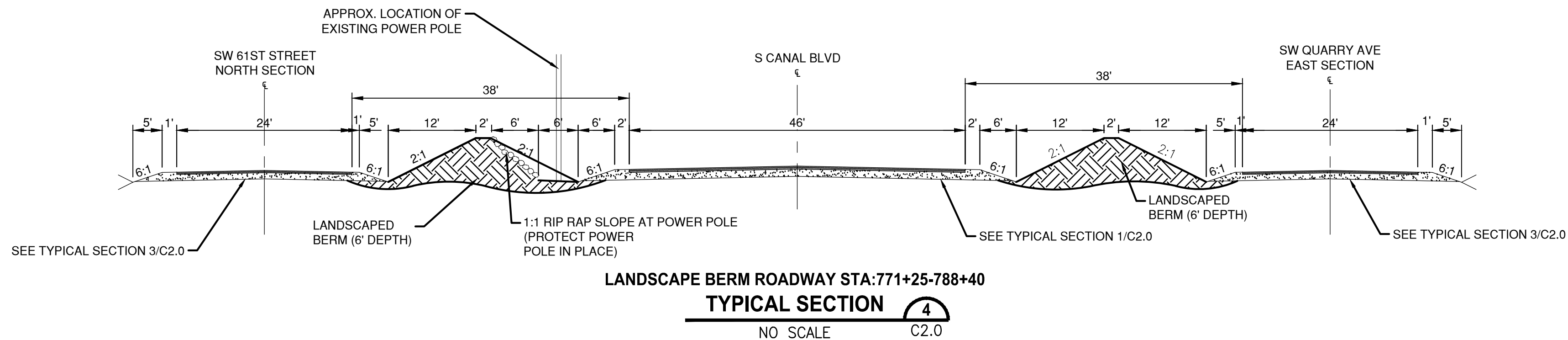
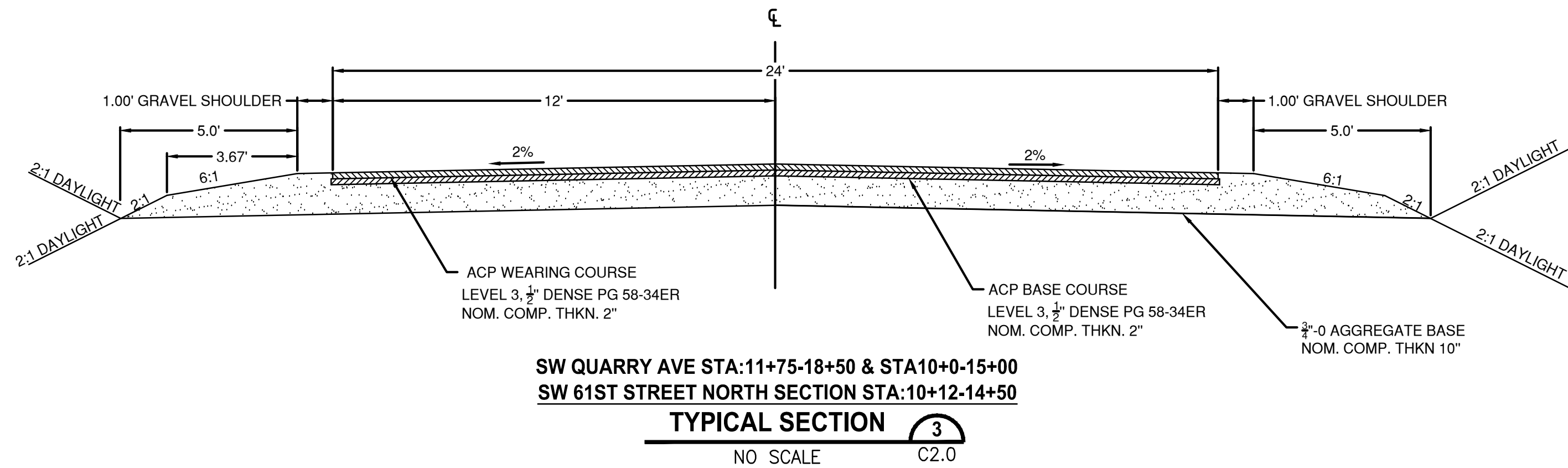
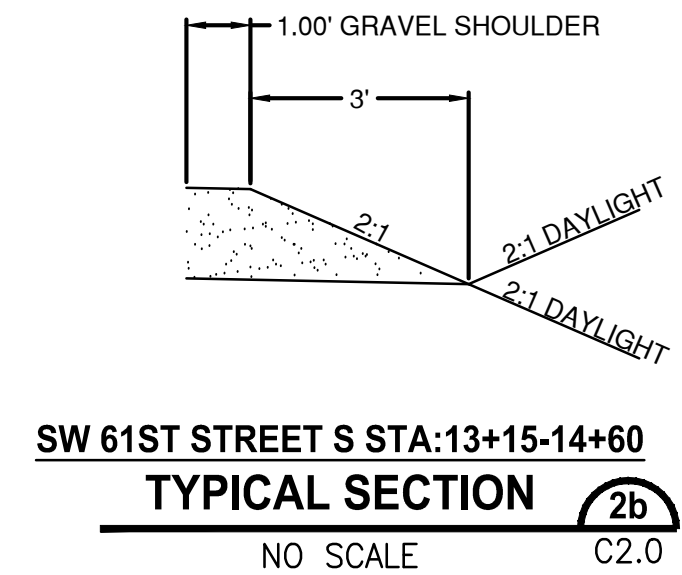
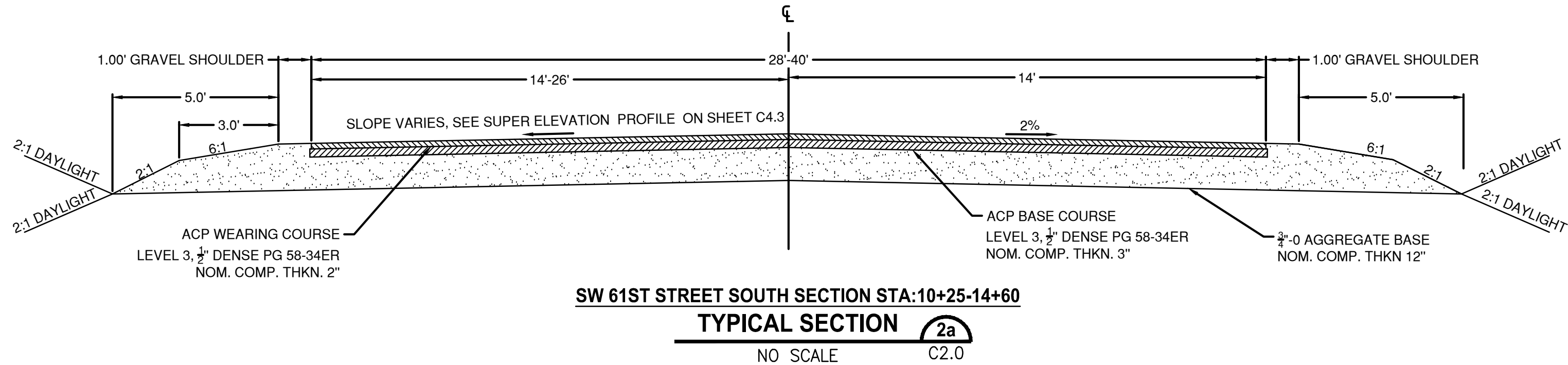
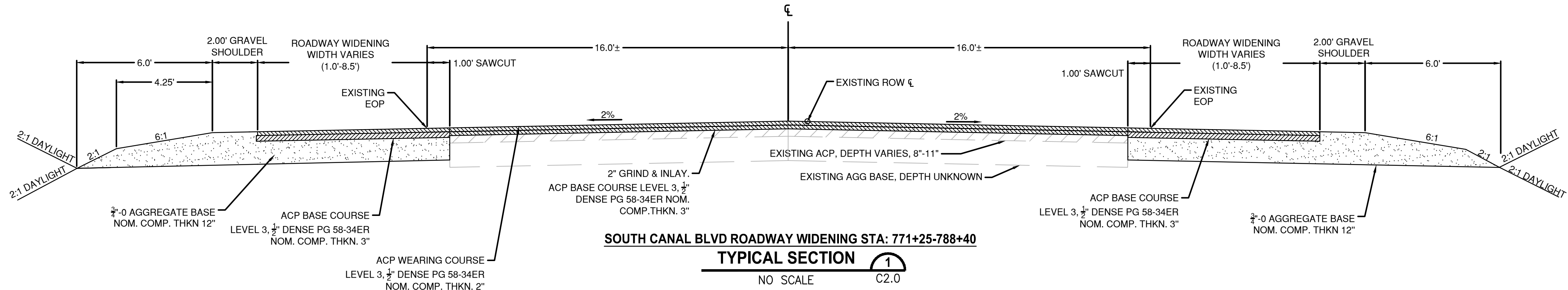
PROJECT NAME
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

PROJECT DETAILS
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DRAWING NO. 2 OF 35
C1.1



LAYOUT: C2.0 TYPICAL SECTIONS      PATH: U:\Bent\Projects\Clients\2509-Deschutes County\297-2509-005 DBRH Design Phase\99Svcs\CADD\DWG\SIX-CORNERS\CD'S      PLOTTED BY: rickdow      DATE: Friday, May 3, 2019 11:41:02 AM



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REVISIONS	DATE	BY	DESIGNED DR
			DRAWN DR/LYF
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME BE-2509-005.3-C2.0-TS00
JOB No.
DATE



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PROJECT NAME

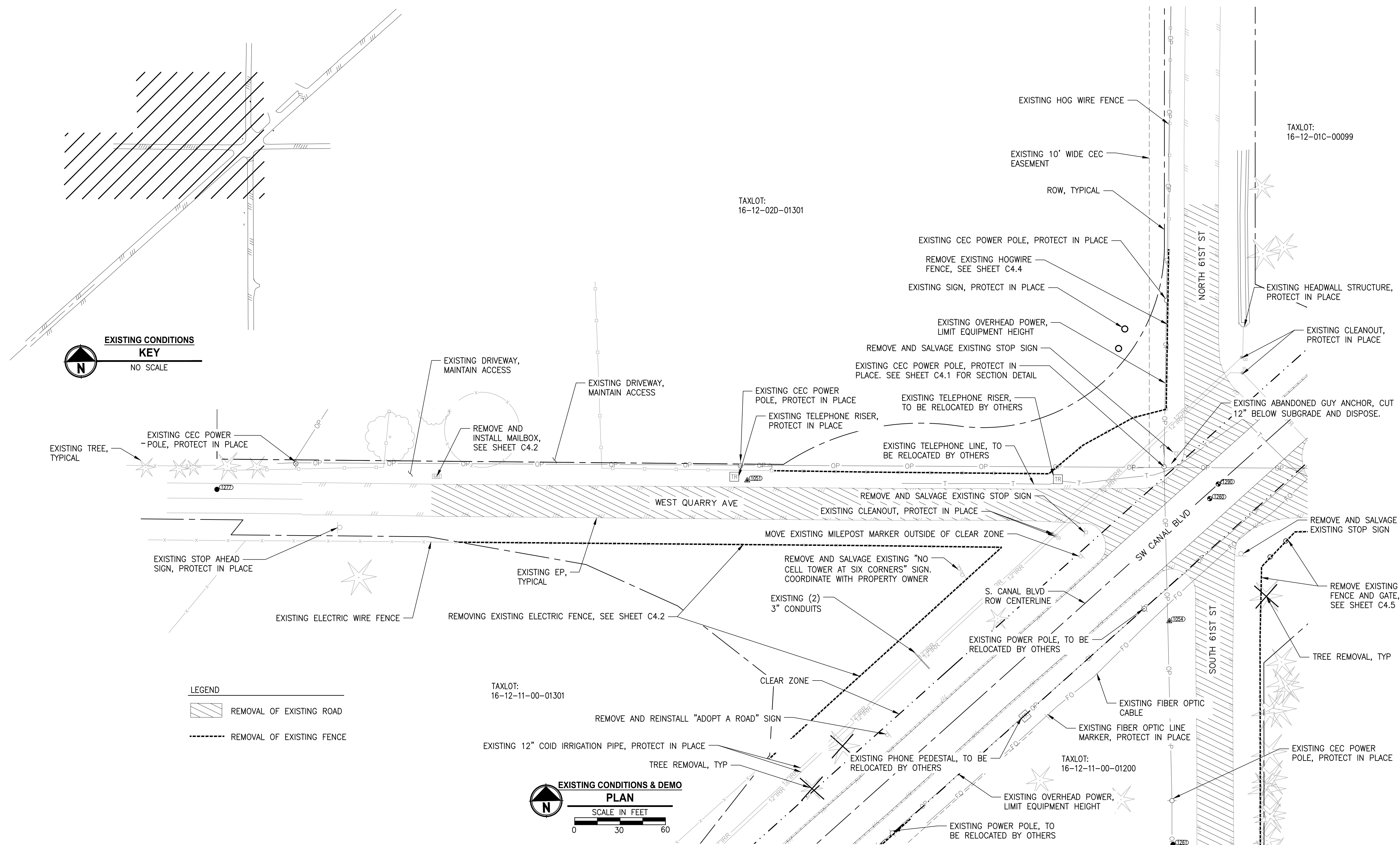
**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

**TYPICAL SECTIONS**

DRAWING NO.  
3 OF 35


**C2.0**

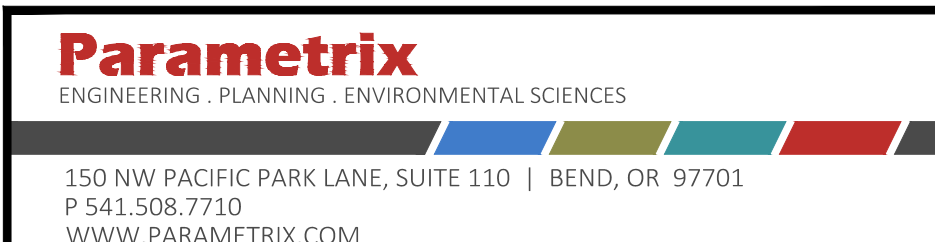
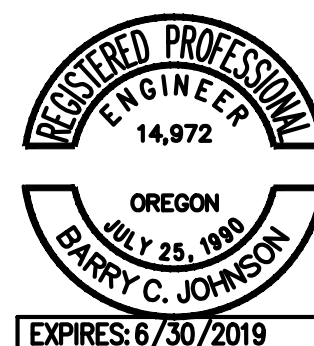




FOR BIDDING REFERENCE ONLY

▽	REVISIONS	DATE	BY	DESIGNED DR
				DRAWN DR/LYF
				CHECKED
				APPROVED

 <b>ONE INCH AT FULL SCALE.</b> <b>IF NOT, SCALE ACCORDINGLY</b>	
FILE NAME	BE-2509-005.3-C3.0-EC0
JOB No.	
DATE	



PROJECT NAME

**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

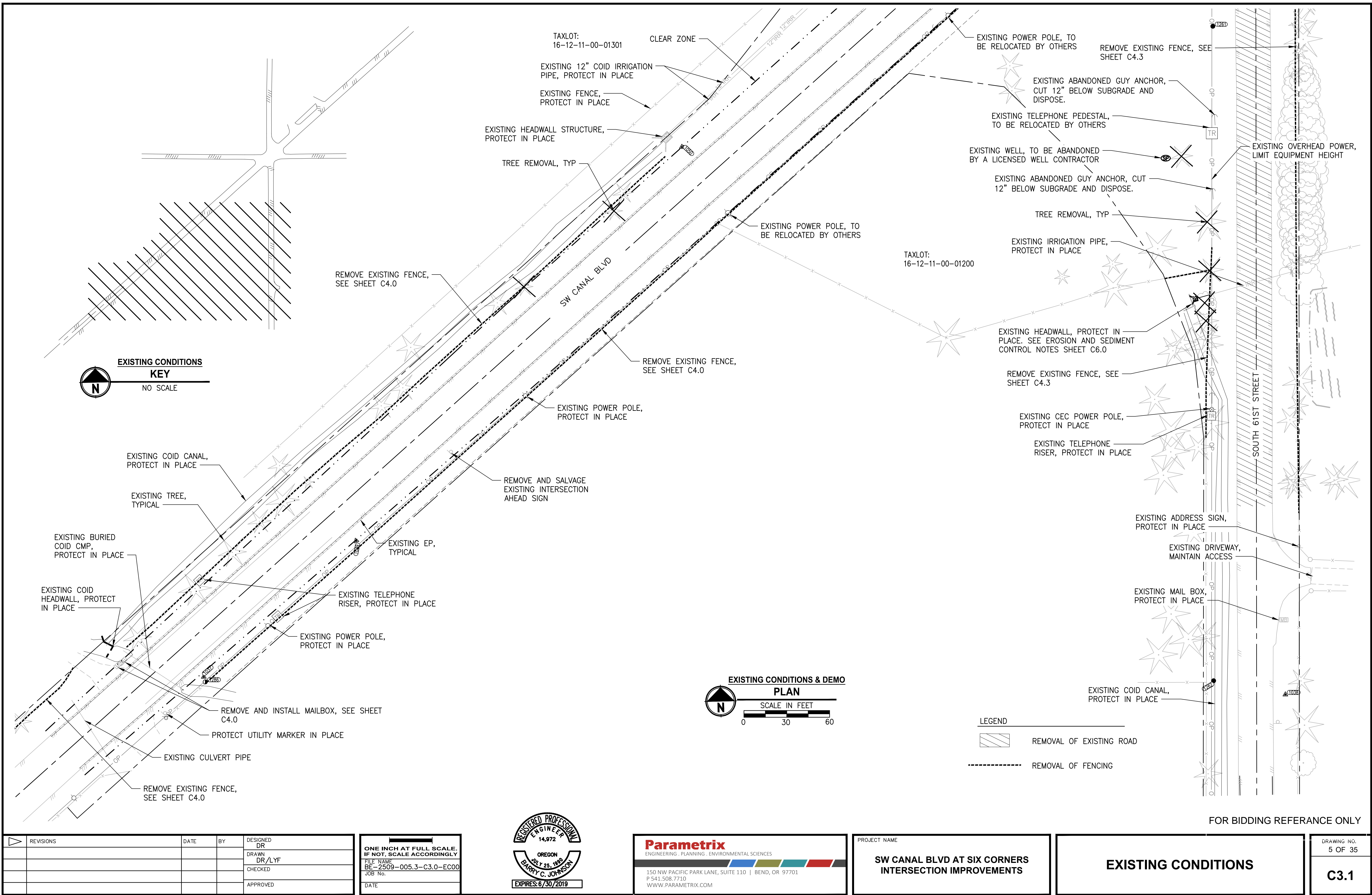
## EXISTING CONDITIONS

DRAWING NO.  
4 OF 35

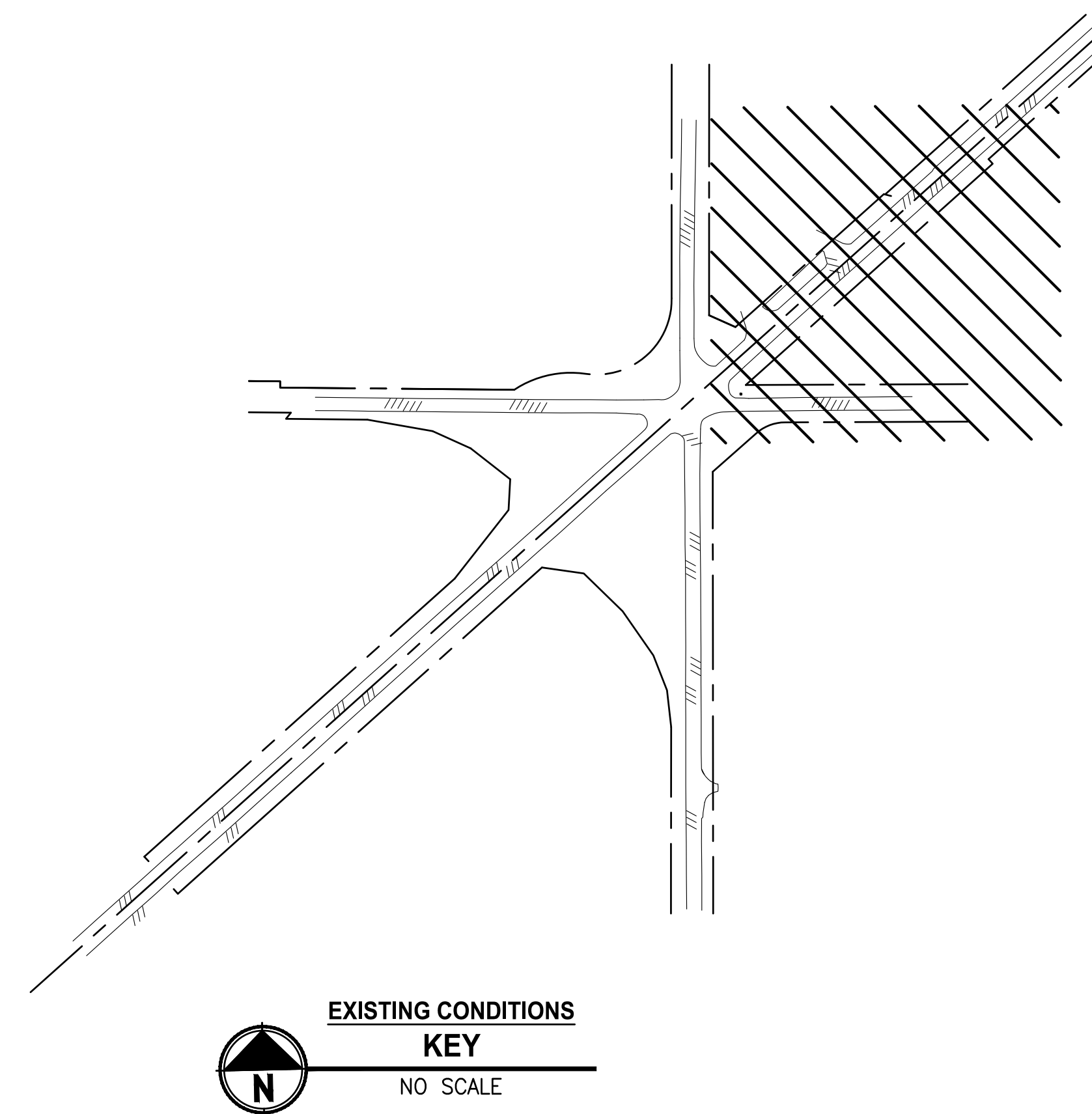
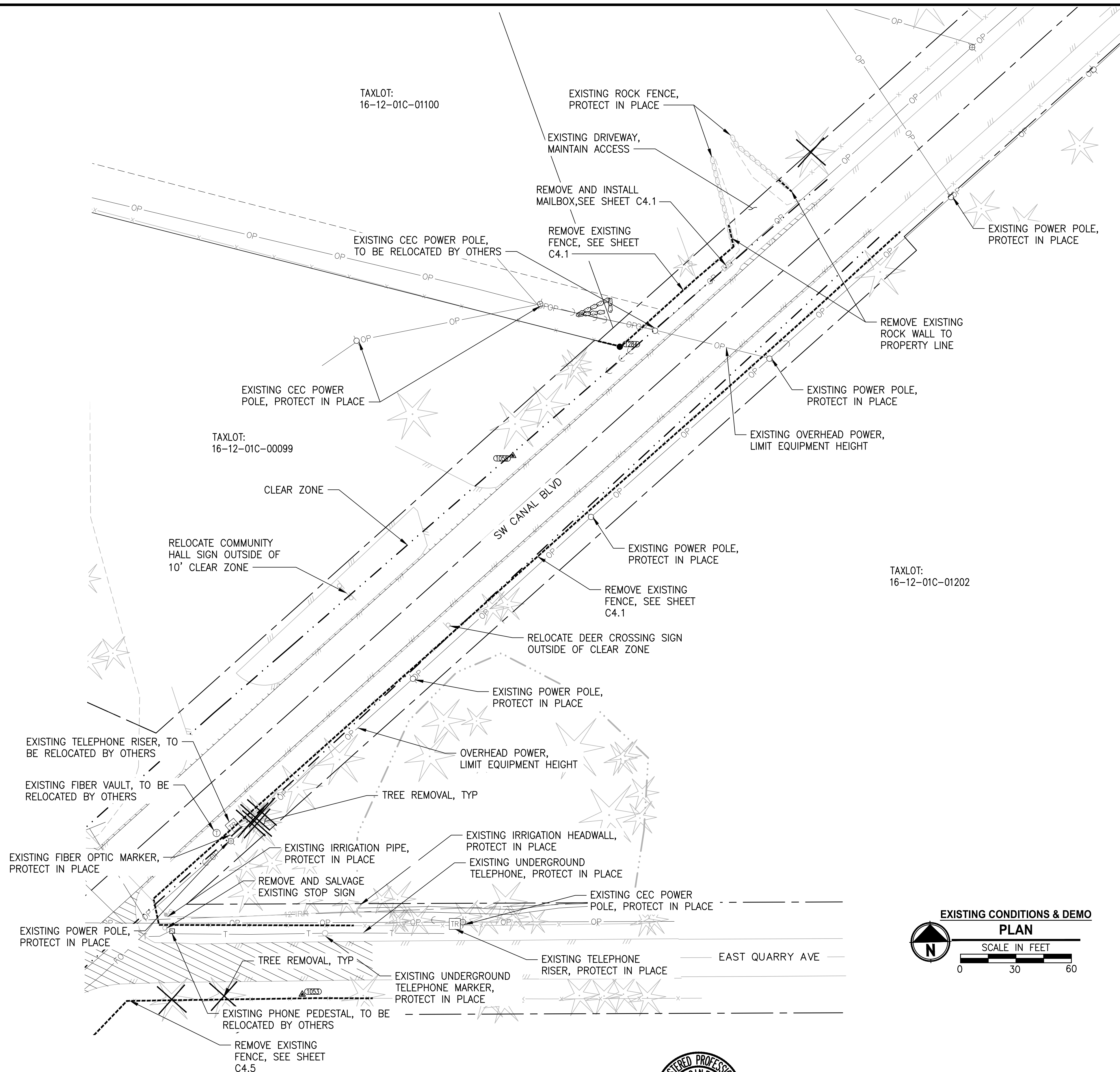
**C3.0**



LAYOUT: C3.1 EXISTING CONDITIONS  
PATH: U:\Bend\Projects\Clients\2509-Deschutes County\297-2509-005 GBRH Design Phase\95\sets\CADD\DWG\SIX-CORNERS\CD'S  
PLOTED BY: ricedev DATE: Friday, May 3, 2019 11:23:52 AM







**EXISTING CONDITIONS**  
**KEY**  
NO SCALE

### LEGEND

REMOVAL OF EXISTING ROAD


REMOVAL OF FENCING

**EXISTING CONDITIONS & DEMO**

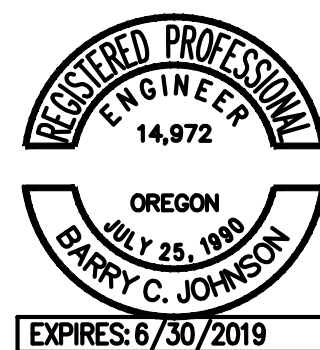
**PLAN**

SCALE IN FEET

0 30 60

	REVISIONS	DATE	BY	DESIGNED
				DRAWN
				DR/LYF
				CHECKED
				APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME BE-2509-005.3-C3.0-EC00
JOB No.
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PROJECT NAME

## SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

## EXISTING CONDITIONS

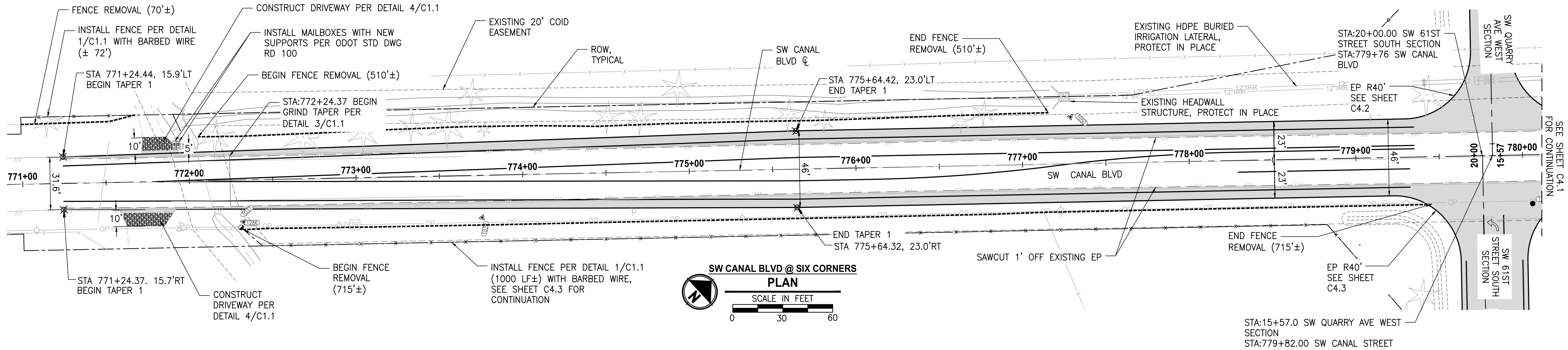
DRAWING NO.  
6 OF 35

### C3.2

FOR BIDDING REFERENCE ONLY

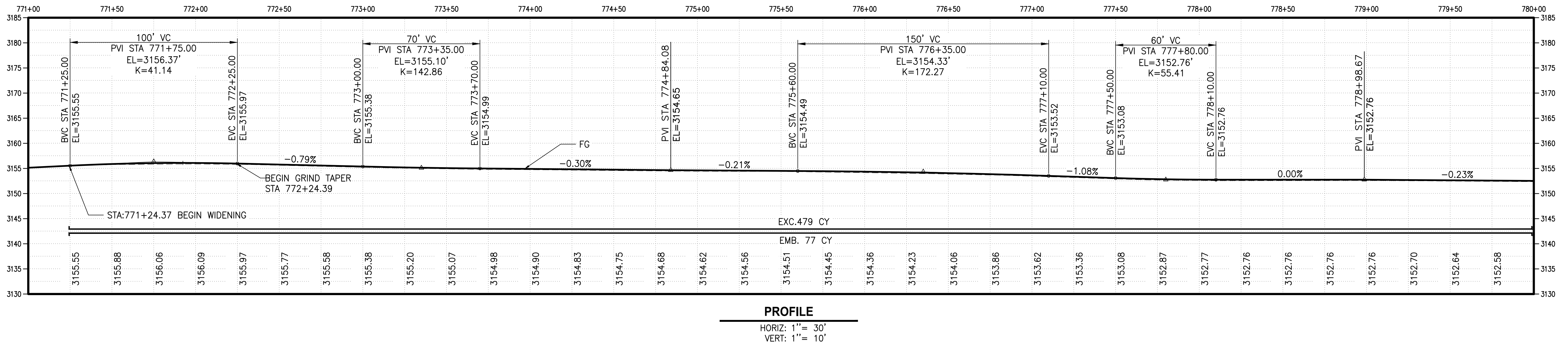


LAYOUT: C4.0 PLAN & PROFILE SW CANAL BLVD  
PATH: U:\Bend\Projects\Clients\2509-Oeschutes County\207-2509-005 OBRH Design Phase\995ves\CADD\DWG\SIX-CORNERS\C4.0  
PLOTTED BY: ricodav DATE: Friday, May 3, 2019 11:24:23 AM



**GENERAL CONSTRUCTION NOTES :**

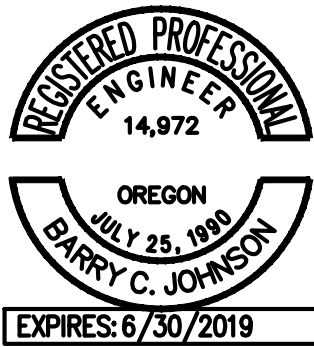
1.) BETWEEN STA 772+08.00 RT TO 772+26.00 RT AND 771+54.00 LT TO 772+03.00 LT OF SW CANAL BLVD ALIGNMENT, STEEPEN SHOULDER TO MATCH EXISTING GROUND PRIOR TO EXISTING IRRIGATION CANAL



FOR BIDDING REFERENCE ONLY

REVISIONS	DATE	BY	DESIGNED DR
			DRAWN DR/LYF
			CHECKED
			APPROVED

<b>ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY</b>	
FILE NAME	BE-2509-005.3-C4.0-PP00
JOB No.	
DATE	



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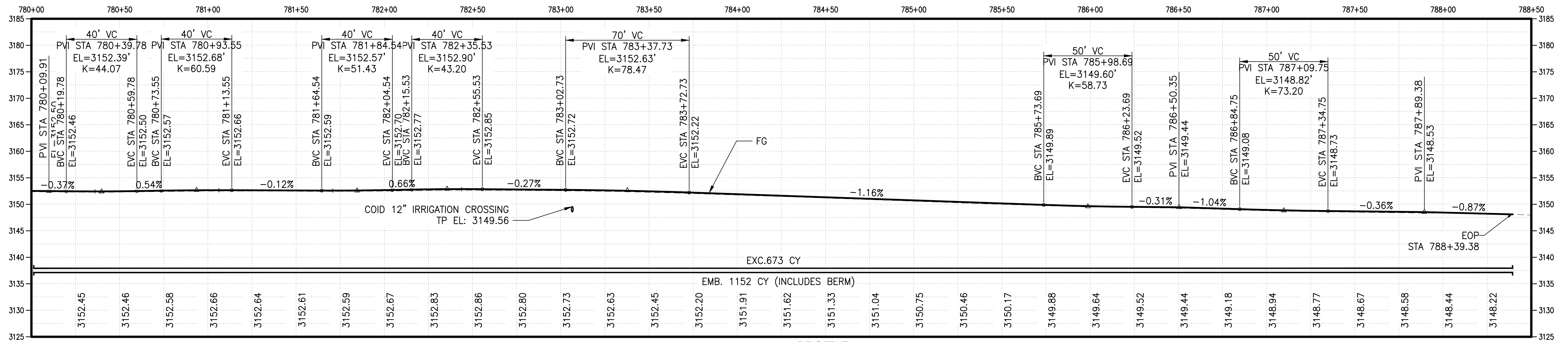
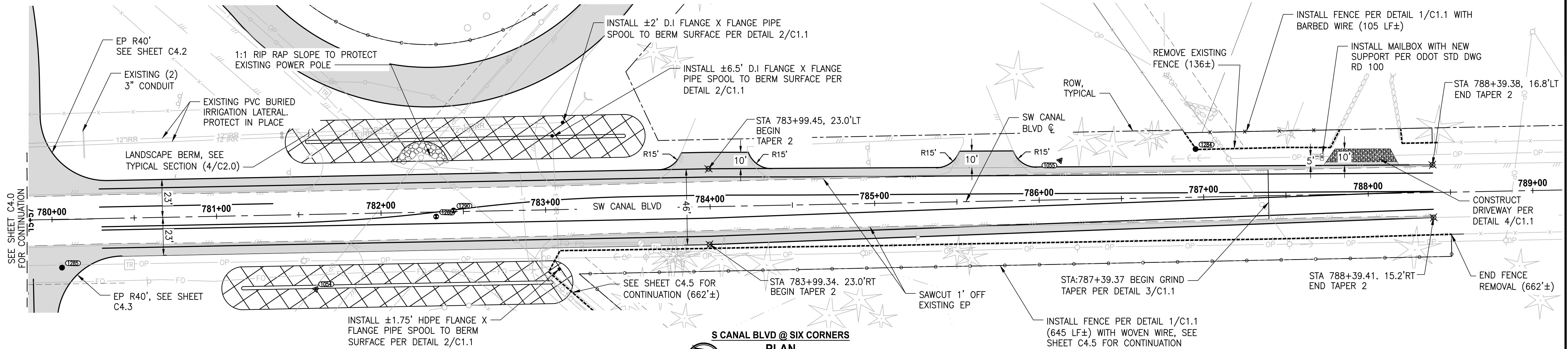
PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS**

**PLAN & PROFILE, SW CANAL BLVD**

DRAWING NO.  
7 OF 35  
**C4.0**

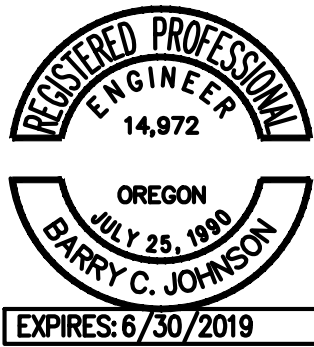


SW CANAL BLVD  
PROFILE  
& PLAN  
C4.1  
LAYOUT: U:\Bent\Projects\Clients\2509-Deschutes County\2509-Deschutes County\2509-005 DBPH Design Phase\985\SW CANAL BLVD\DWG\SIX-CORNERS\C4.1  
PLOTTED BY: ricodav DATE: Friday, May 3, 2019 11:24:48 AM



REVISIONS	DATE	BY	DESIGNED
			DR
			DRAWN
			DR/LYF
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME BE-2509-005.3-C4.1-PP00
JOB No.
DATE



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PROJECT NAME

**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

FOR BIDDING REFERENCE ONLY

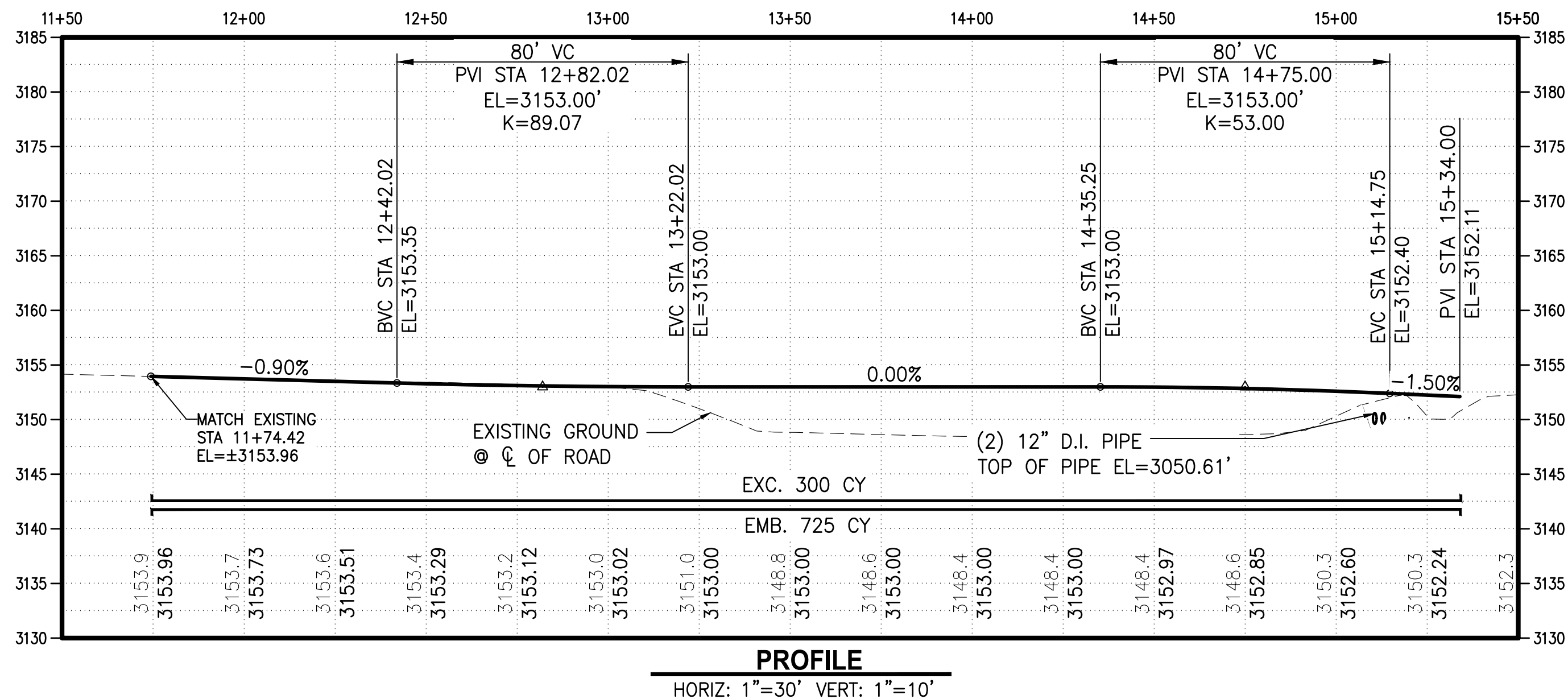
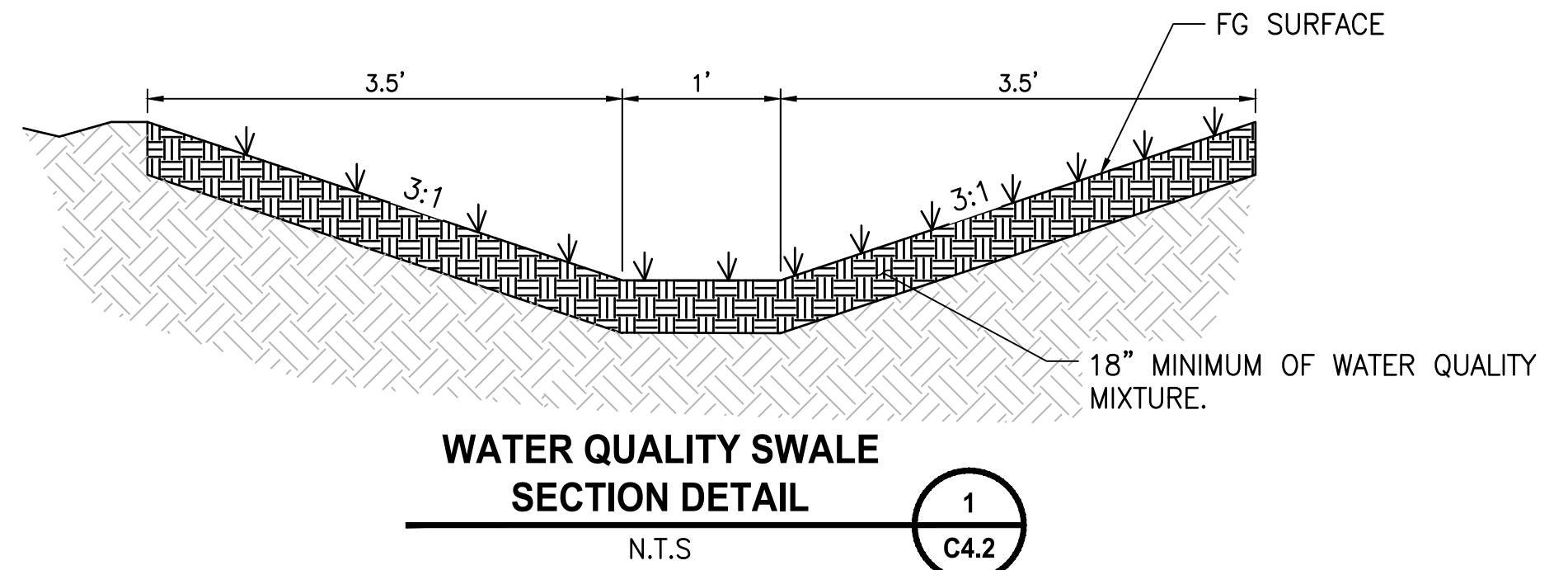
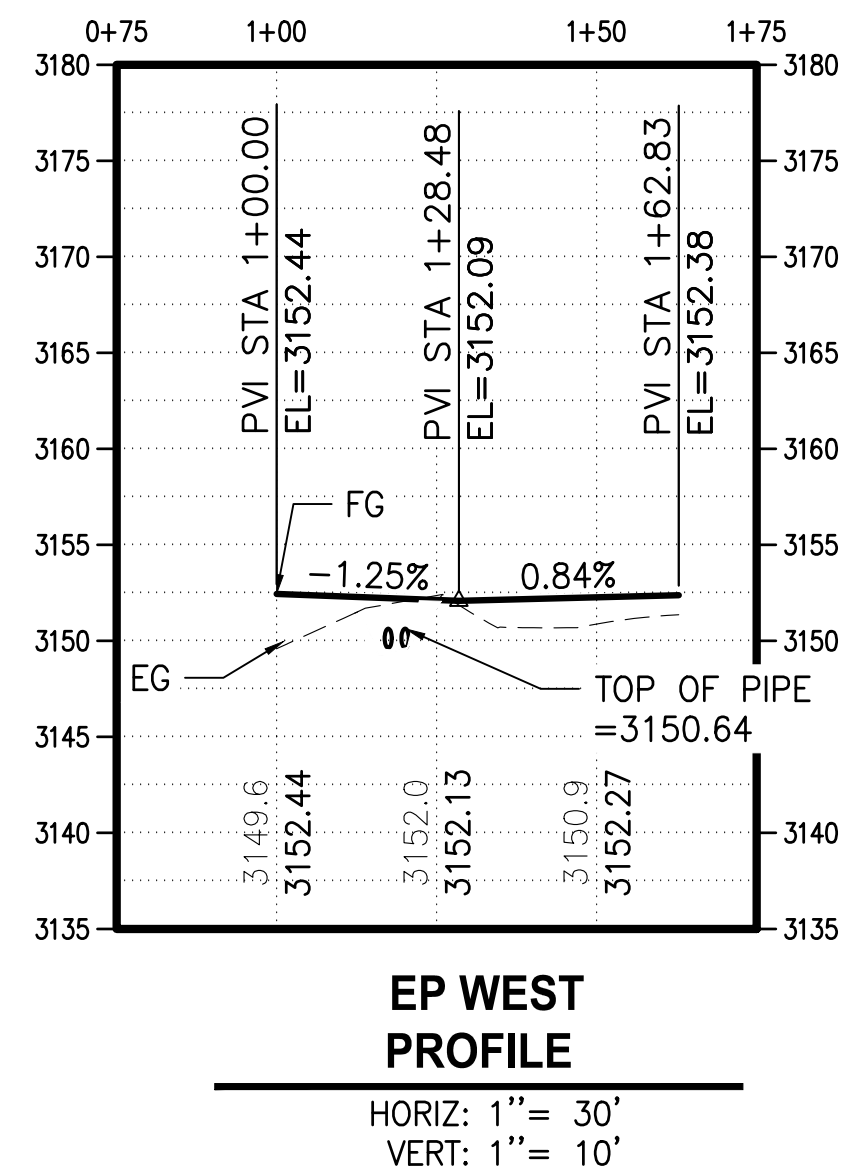
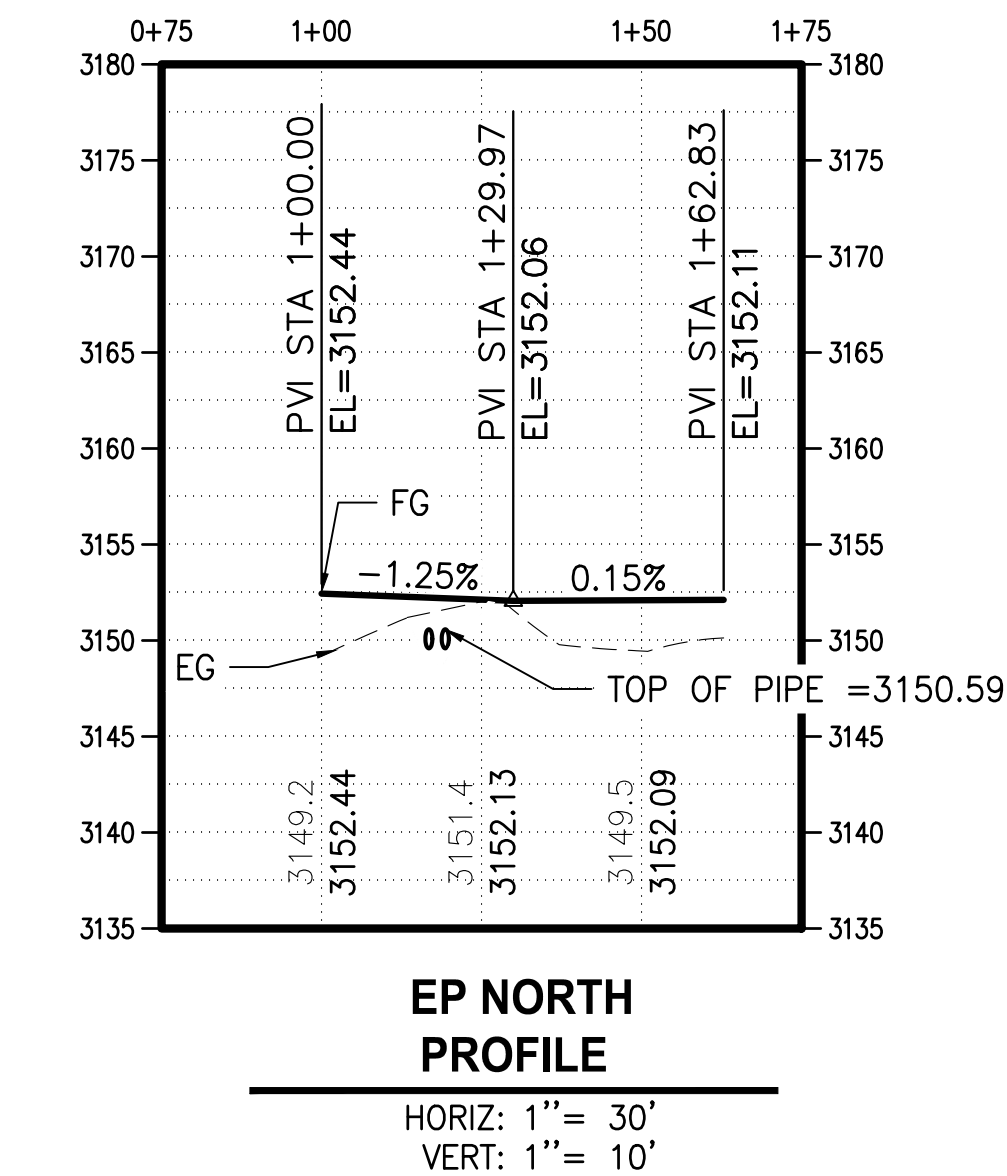
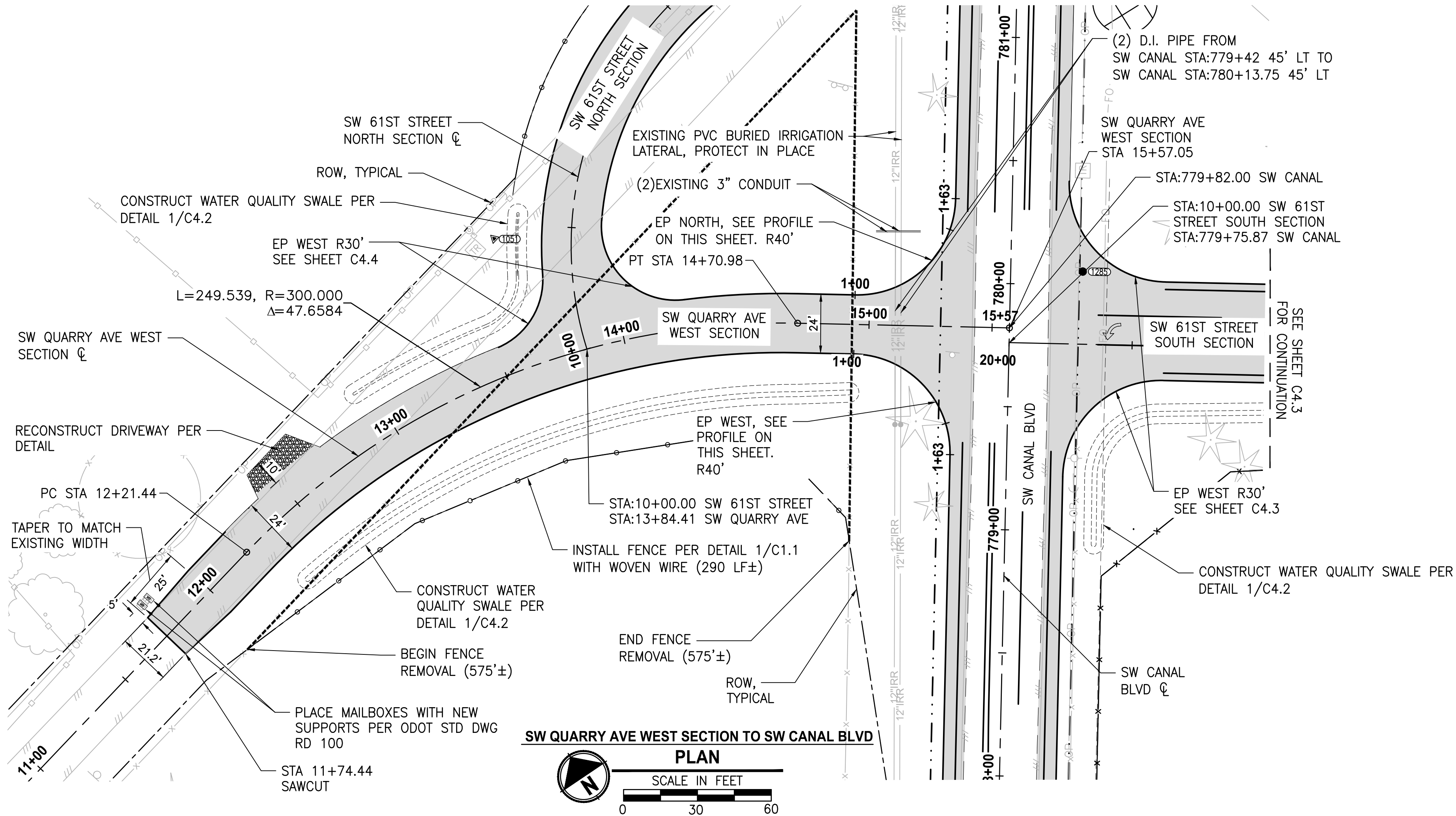
**PLAN & PROFILE, SW CANAL BLVD**

DRAWING NO.  
8 OF 35

**C4.1**



LAYOUT: C4.2 PLAN & PROFILE W QUARRY TO 61ST S PATH: U:\Bent\Projects\Clients\2509-Deschutes County\287-2509-005 08BH Design Phase\99Sves\CADD\DWG\SIX-CORNERS\CD'S PLOTTED BY: riceday DATE: Friday, May 3, 2019 11:25:17 AM



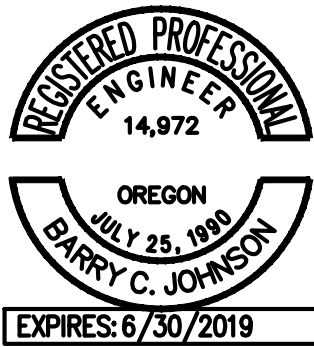
REVISIONS	DATE	BY	DESIGNED
			DR
			DRAWN
			DR/LYF
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY

FILE NAME  
BE-2509-005.3-C4.2-PP00

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DATE



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PROJECT NAME

SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS

P&P SW QUARRY WEST  
SECTION TO SW 61ST STREET  
NORTH SECTION

DRAWING NO.  
9 OF 35

C4.2

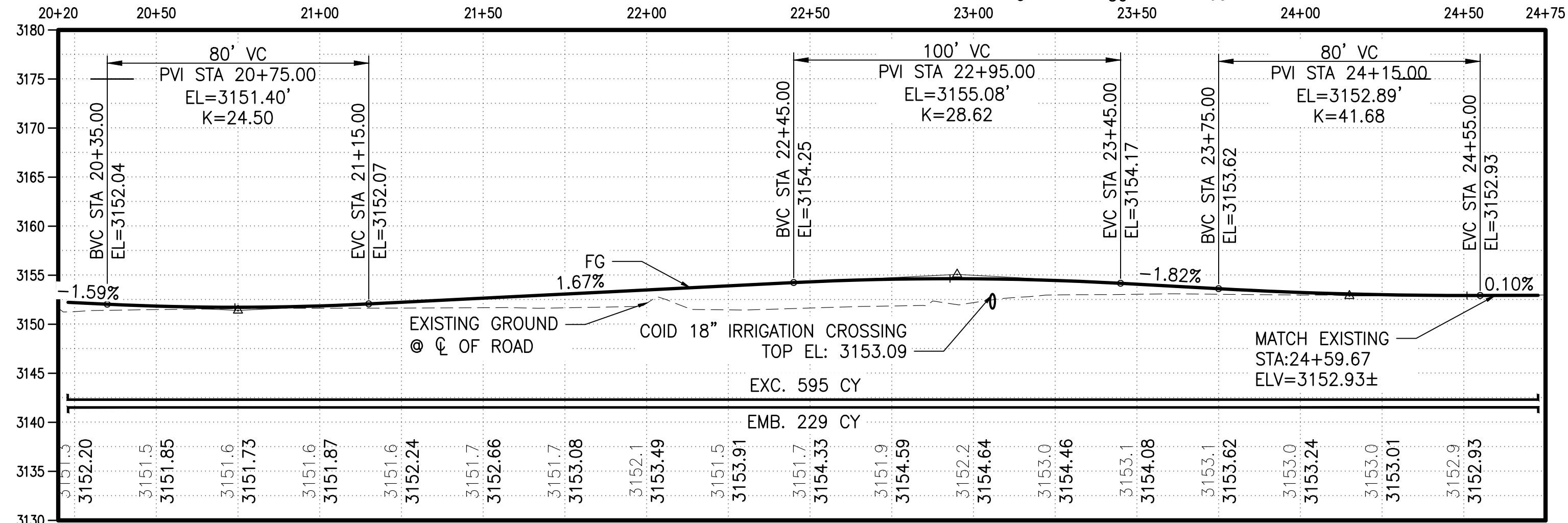
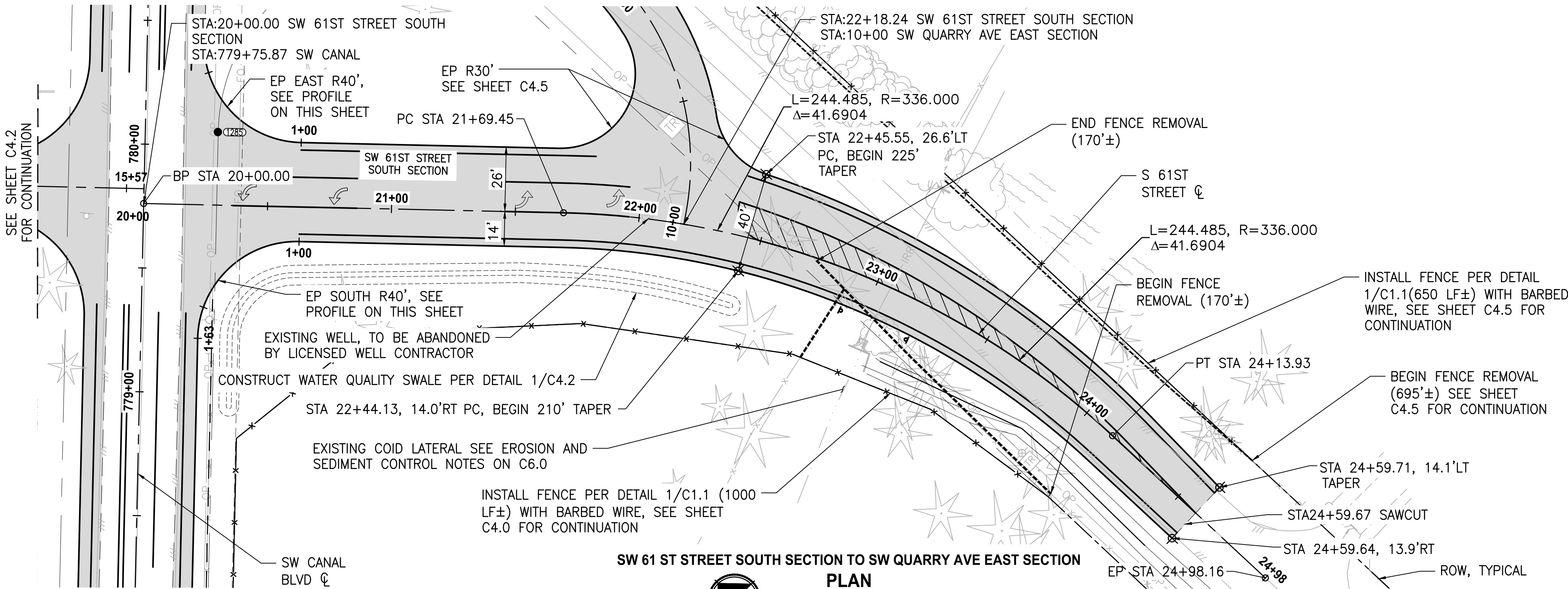
FOR BIDDING REFERENCE ONLY



PLOTTED BY: ricodav DATE: Friday, May 3, 2019 11:25:47 AM

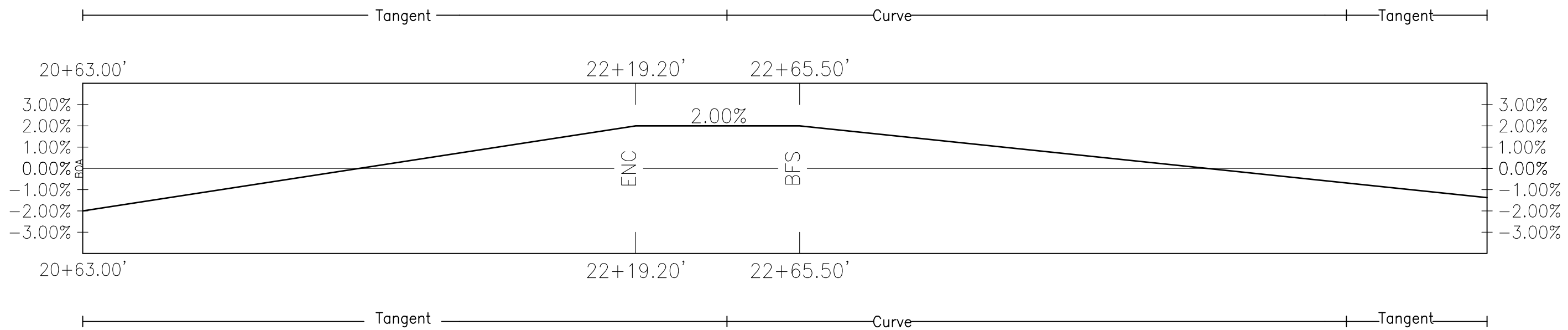
PATH: U:\Bend\Projects\Clients\Deschutes County\2509-005 OBRH Design Phase\99s\cadd\DWG\SIX-CORNERS\CO'S

LAYOUT: C4.3 PLAN & PROFILE E QUARRY TO S 61ST



**PROFILE**

HORIZ: 1"= 30'  
 VERT: 1"= 10'



**61 ST STREET SOUTH SECTION-LEFT SUPER ELEVATION TABLE**

N.T.S

REVISIONS	DATE	BY	DESIGNED
			DRAWN
			DR/LYF
			CHECKED
			APPROVED

<b>ONE INCH AT FULL SCALE.</b> <b>IF NOT, SCALE ACCORDINGLY</b> BE 2509-005.3-C4.3-PP00 JOB No. DATE
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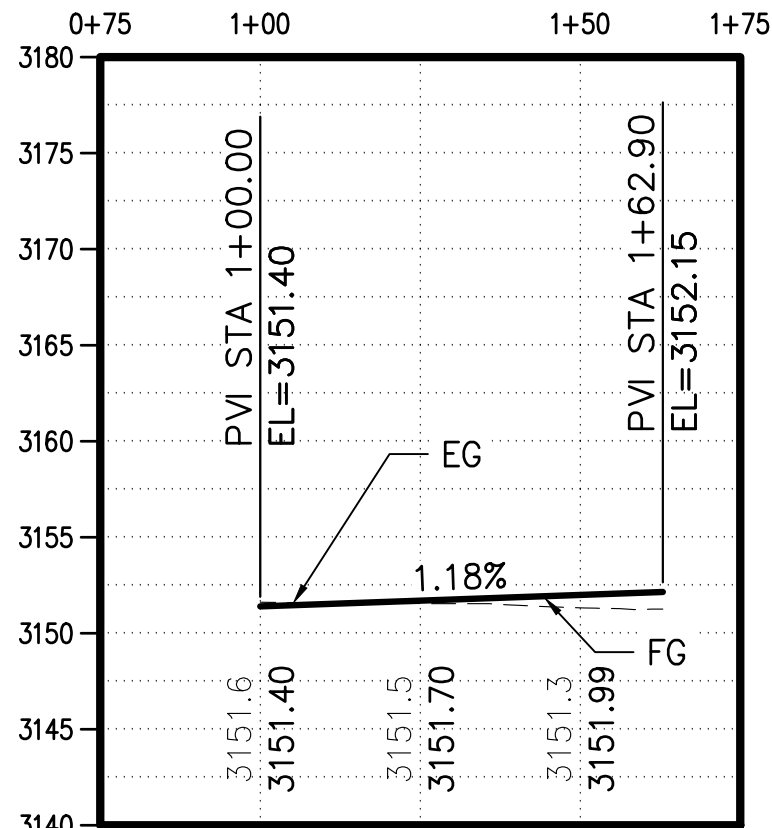
PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
 INTERSECTION IMPROVEMENTS**

**P&P, SW 61ST STREET  
 SOUTH SECTION TO SW  
 QUARRY EAST SECTION**

DRAWING NO.  
 10 OF 35  
**C4.3**

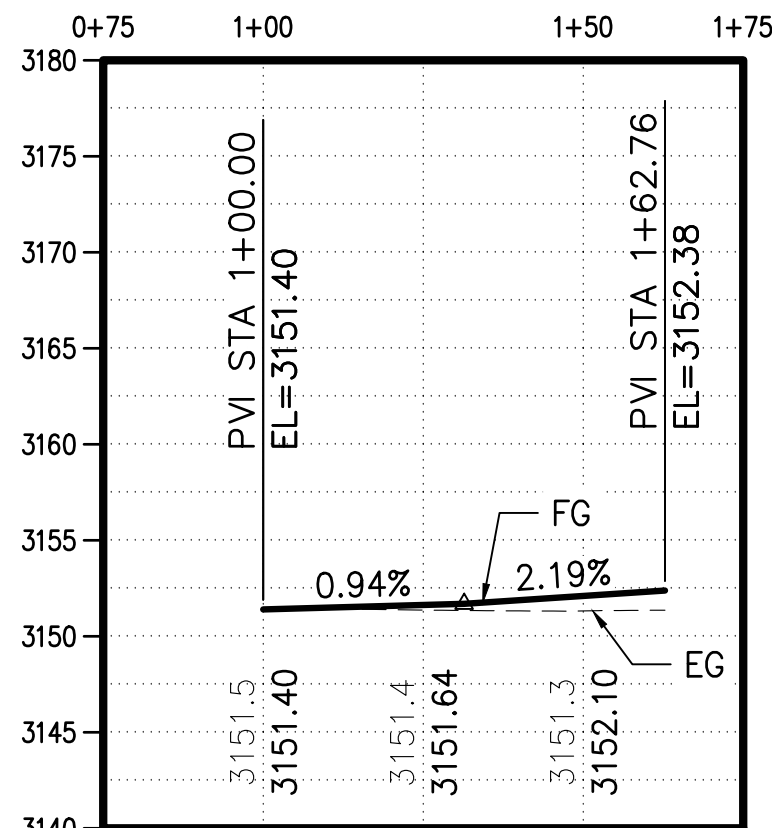
FOR BIDDING REFERENCE ONLY

**GENERAL CONSTRUCTION NOTES :**  
 1.) BETWEEN STA 13+80.00 TO 14+60.00 RT OF S 61ST STREET ALIGNMENT, STEEPEN SHOULDER TO MATCH EXISTING GROUND PRIOR TO EXISTING IRRIGATION CANAL



**EP EAST  
 PROFILE**

HORIZ: 1"= 30'  
 VERT: 1"= 10'

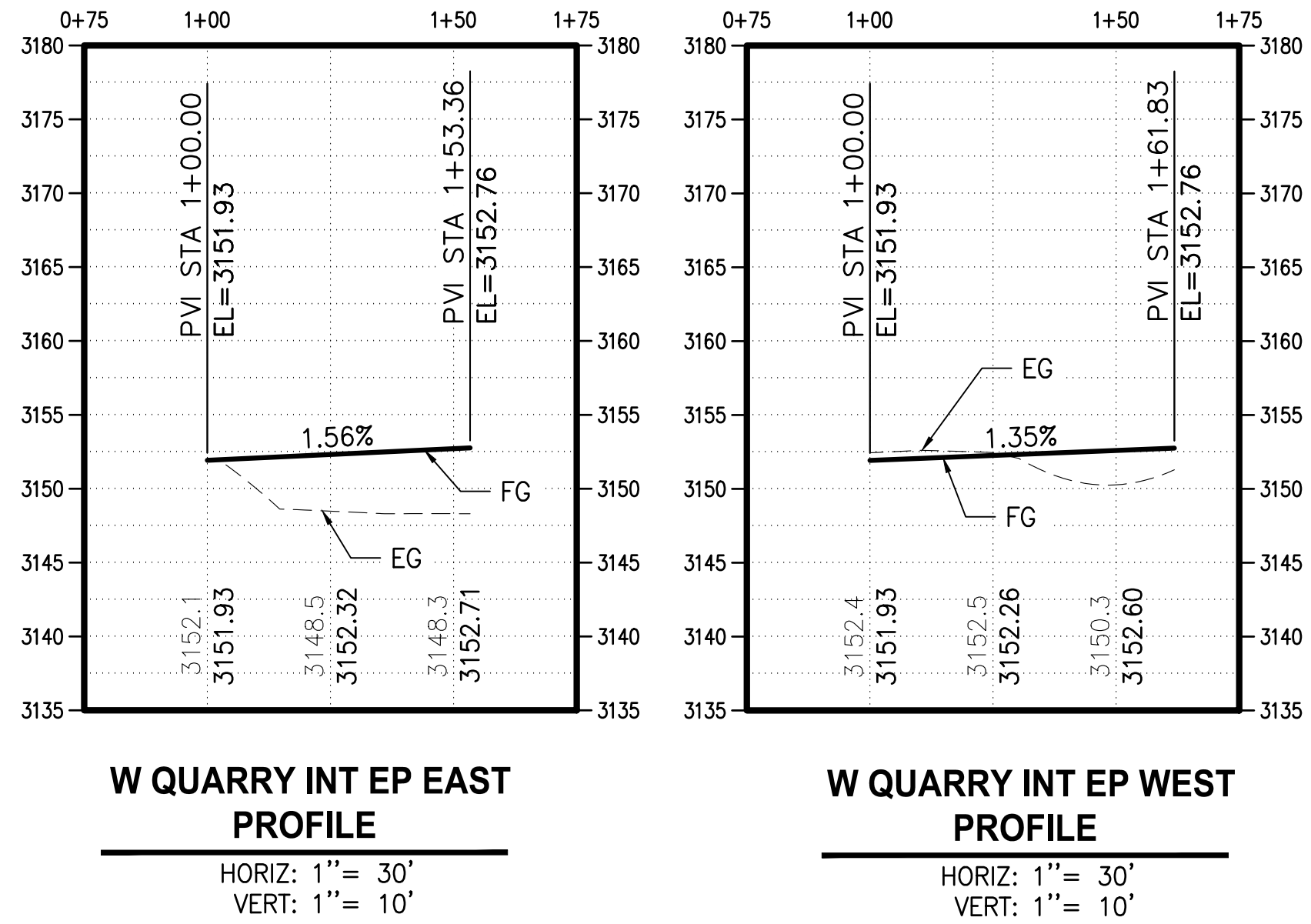
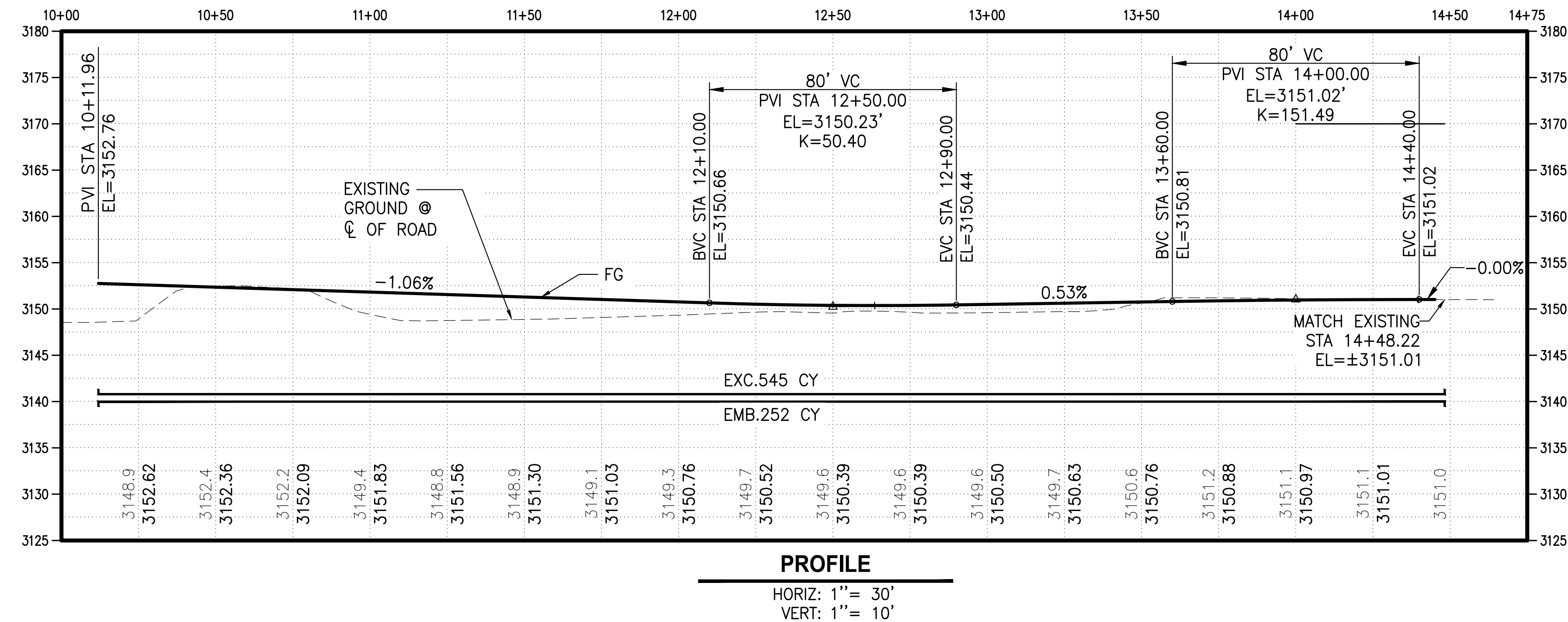
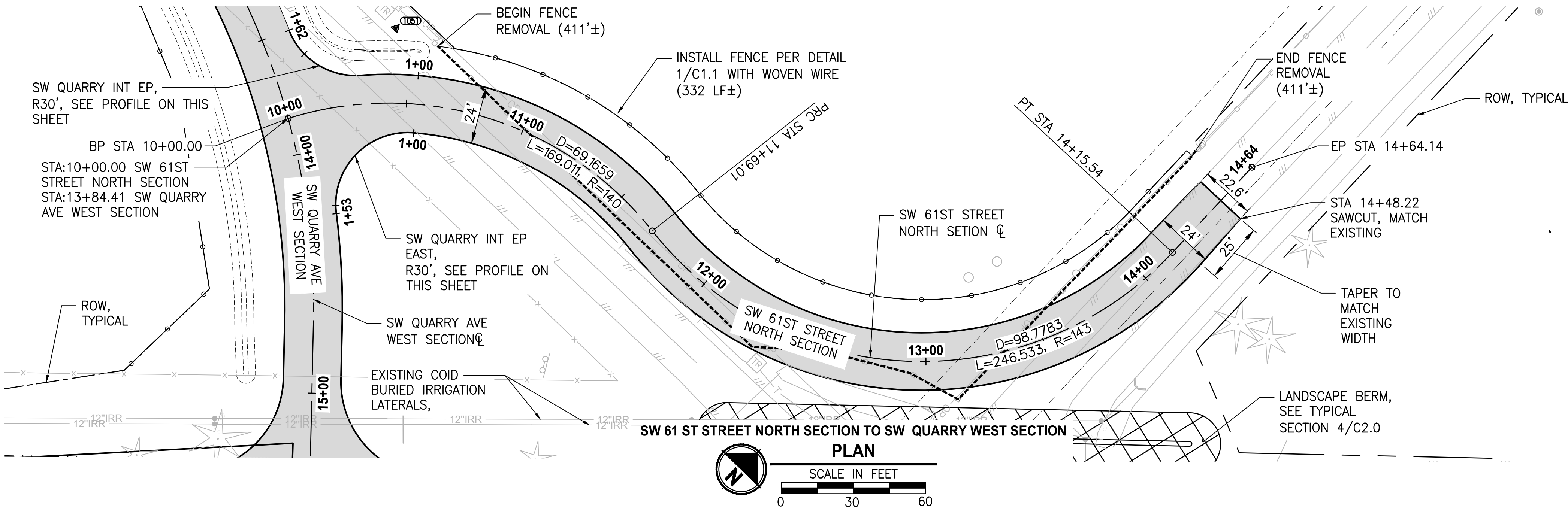


**EP SOUTH  
 PROFILE**

HORIZ: 1"= 30'  
 VERT: 1"= 10'



LAYOUT: C4.4 PLAN & PROFILE N 61ST STREET  
PATH: U:\Bend\Projects\Clients\2509-Deschutes County\297-2509-005 OBRH Design Phase\985\cadd\DWG\SIX-CORNERS\CD'S  
PLOTTED BY: rccoadv DATE: Friday, May 3, 2019 11:28:16 AM



FOR BIDDING REFERENCE ONLY

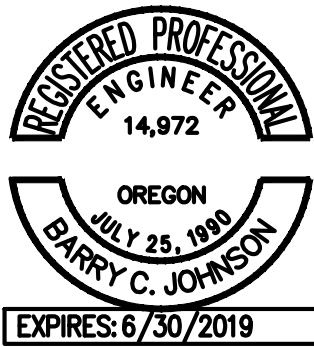
REVISIONS	DATE	BY	DESIGNED DR
			DRAWN DR/LYF
			CHECKED
			APPROVED

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IF NOT, SCALE ACCORDINGLY

FILE NAME  
BE-2509-005.3-C4.4-PP00

JOB No.

DATE



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PROJECT NAME

SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS

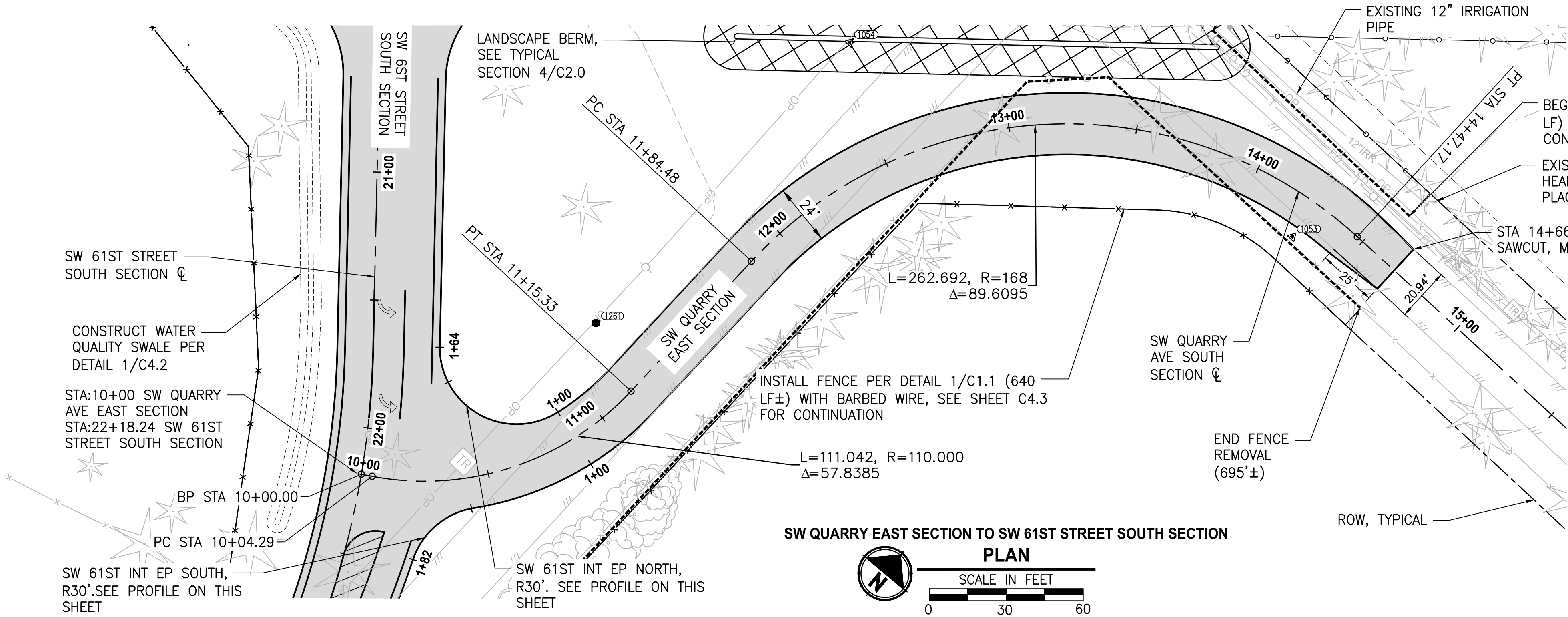
P&P SW 61ST STREET NORTH  
SECTION TO SW QUARRY  
WEST SECTION

DRAWING NO.  
11 OF 35

C4.4



LAYOUT: C4.5 PLAN & PROFILE E QUARRY AVE PATH: U:\Bend\Projects\Clients\2509-Deschutes County\297-2509-005 OBRH Design Phase\995\cadd\DWG\SIX-CORNERS\CD'S PLOTTED BY: ricedev DATE: Friday, May 3, 2019 11:28:44 AM

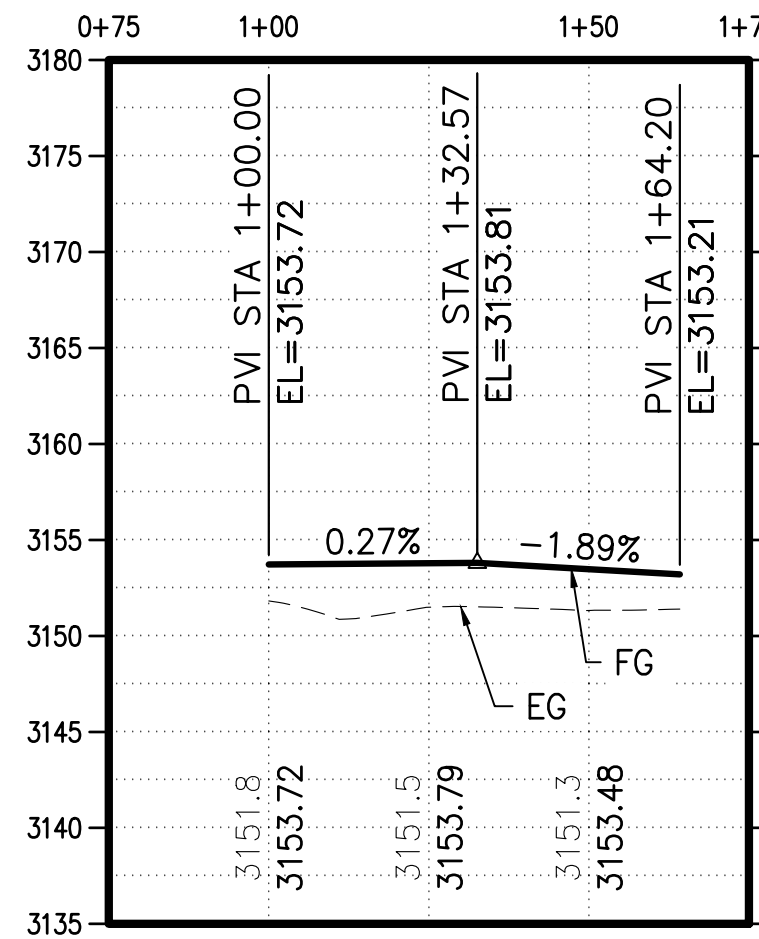


SW QUARRY EAST SECTION TO SW 61ST STREET SOUTH SECTION



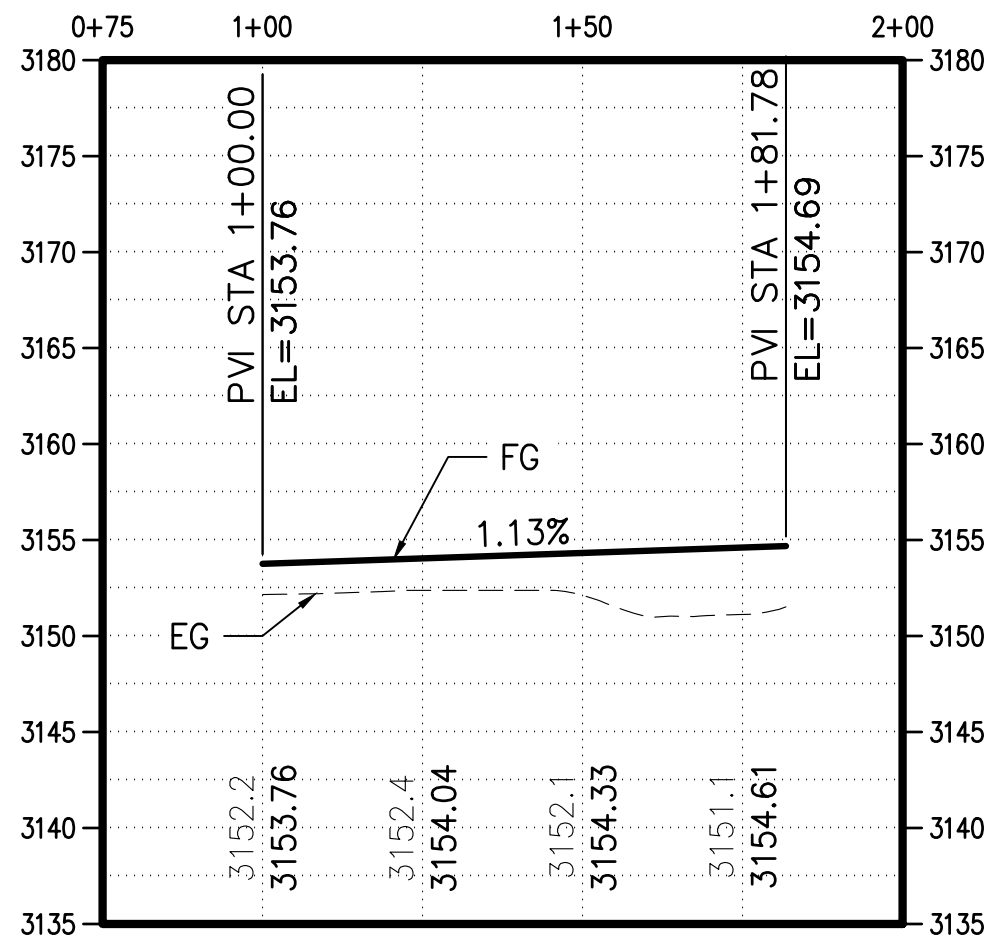
PLAN

SCALE IN FEET



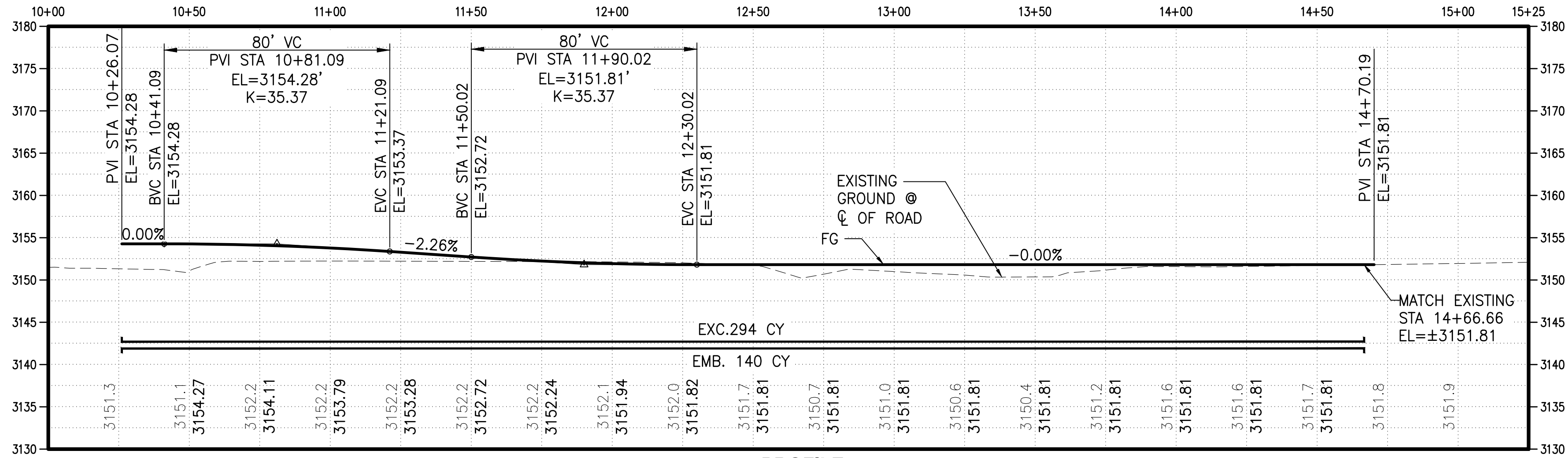
S 61ST STREET INT EP NORTH  
PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 10'



S 61ST INT EP SOUTH  
PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 10'



PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 10'

REVISIONS	DATE	BY	DESIGNED DR
			DRAWN DR/LYF
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME BE-2509-005.3-C4.5-PP00
JOB No.
DATE



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PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

**P&P, SW QUARRY AVE EAST  
SECTION TO SW 61ST STREET  
SOUTH SECTION**

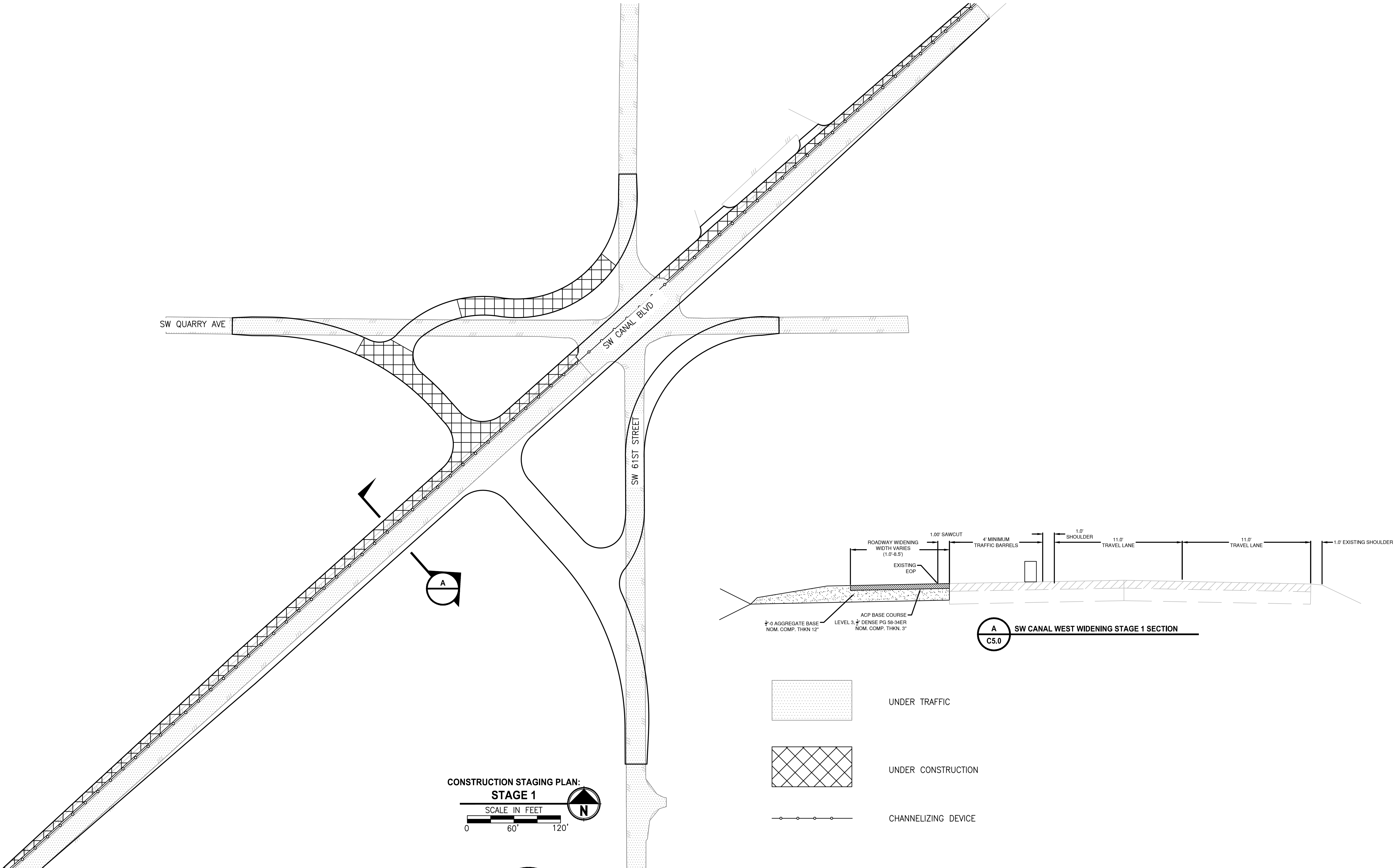
DRAWING NO.  
12 OF 35

**C4.5**

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LAYOUT: C5.0 CONSTRUCTION STAGING STAGE 1      PATH: U:\Bend\Projects\Clients\2509-Deschutes County\297-2509-005 OBRH Design Phase\995vca\CADD\DWG\SIX-CORNERS\EXHIBITS      PLOTTED BY: rccoadv      DATE: Friday, May 3, 2019 11:44:12 AM



REVISIONS	DATE	BY	DESIGNED
			DR
			DRAWN
			DR/LYF
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
Construction Staging
JOB No.
DATE



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PROJECT NAME

SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS

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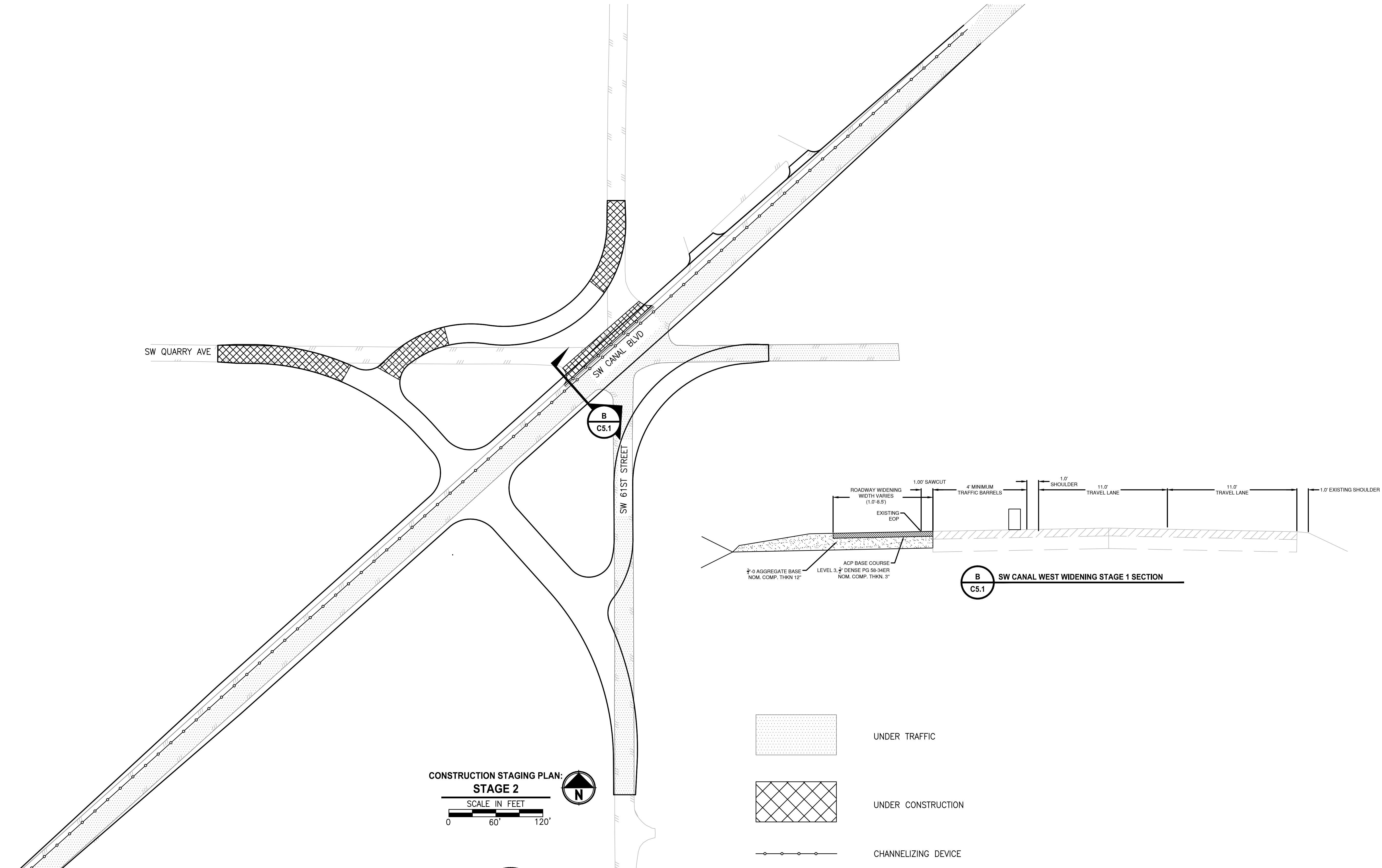
CONSTRUCTION STAGING, STAGE 1

DRAWING NO.  
13 OF 35

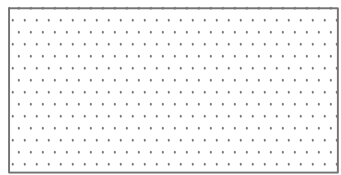
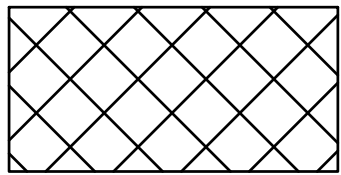
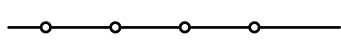
C5.0



LAYOUT: C5.1 CONSTRUCTION STAGING STAGE 2      PATH: U:\Bend\Projects\Clients\Deschutes County\2509-Deschutes County\2509-003 OBRH Design Phase\995vcs\CADD\DWG\SIX-CORNERS\EXHIBITS      PLOTTED BY: ricodav      DATE: Friday, May 3, 2019 11:27:12 AM

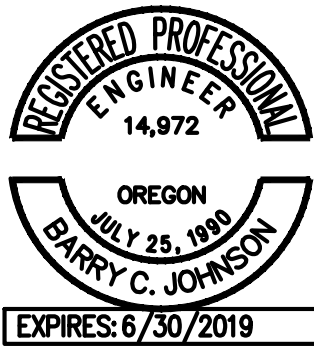


CONSTRUCTION STAGING PLAN:  
**STAGE 2**  
SCALE IN FEET  
0 60' 120'

-  UNDER TRAFFIC
-  UNDER CONSTRUCTION
-  CHANNELIZING DEVICE

REVISIONS	DATE	BY	DESIGNED
			DR
			DRAWN
			DR/LYF
			CHECKED
			APPROVED

<b>ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY</b>	
FILE NAME	Construction Staging
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PROJECT NAME
<b>SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS</b>

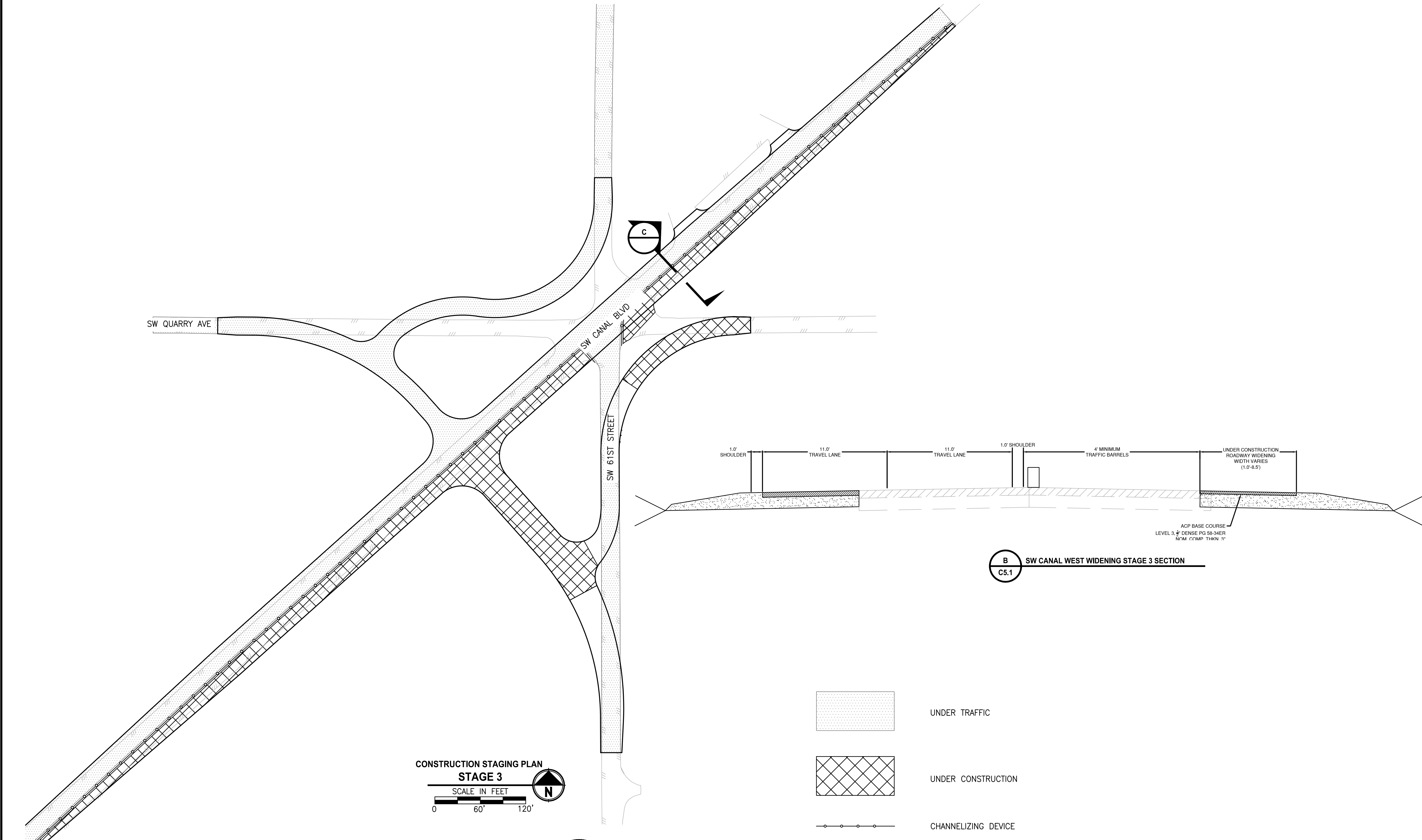
<b>CONSTRUCTION STAGING, STAGE 2</b>
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DRAWING NO. 14 OF 35
<b>C5.1</b>

FOR BIDDING REFERENCE ONLY

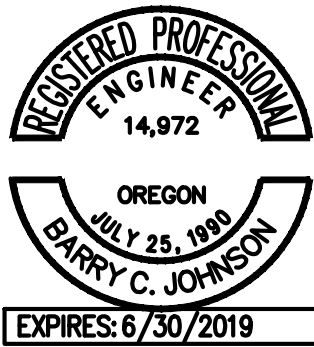


LAYOUT: C5.2 CONSTRUCTION STAGING STAGE 3      PATH: U:\Bent\Projects\Clients\Deschutes County\297-2509-005 OBHH Design Phase\99Sves\CADD\DWG\SIX-CORNERS\EXHIBITS      PLOTTED BY: ricodav      DATE: Friday, May 3, 2019 11:27:17 AM



REVISIONS	DATE	BY	DESIGNED
			DR
			DRAWN DR/LYF
			CHECKED
			APPROVED

<b>ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY</b>
FILE NAME Construction Staging
JOB No.
DATE



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PROJECT NAME

**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

FOR BIDDING REFERENCE ONLY

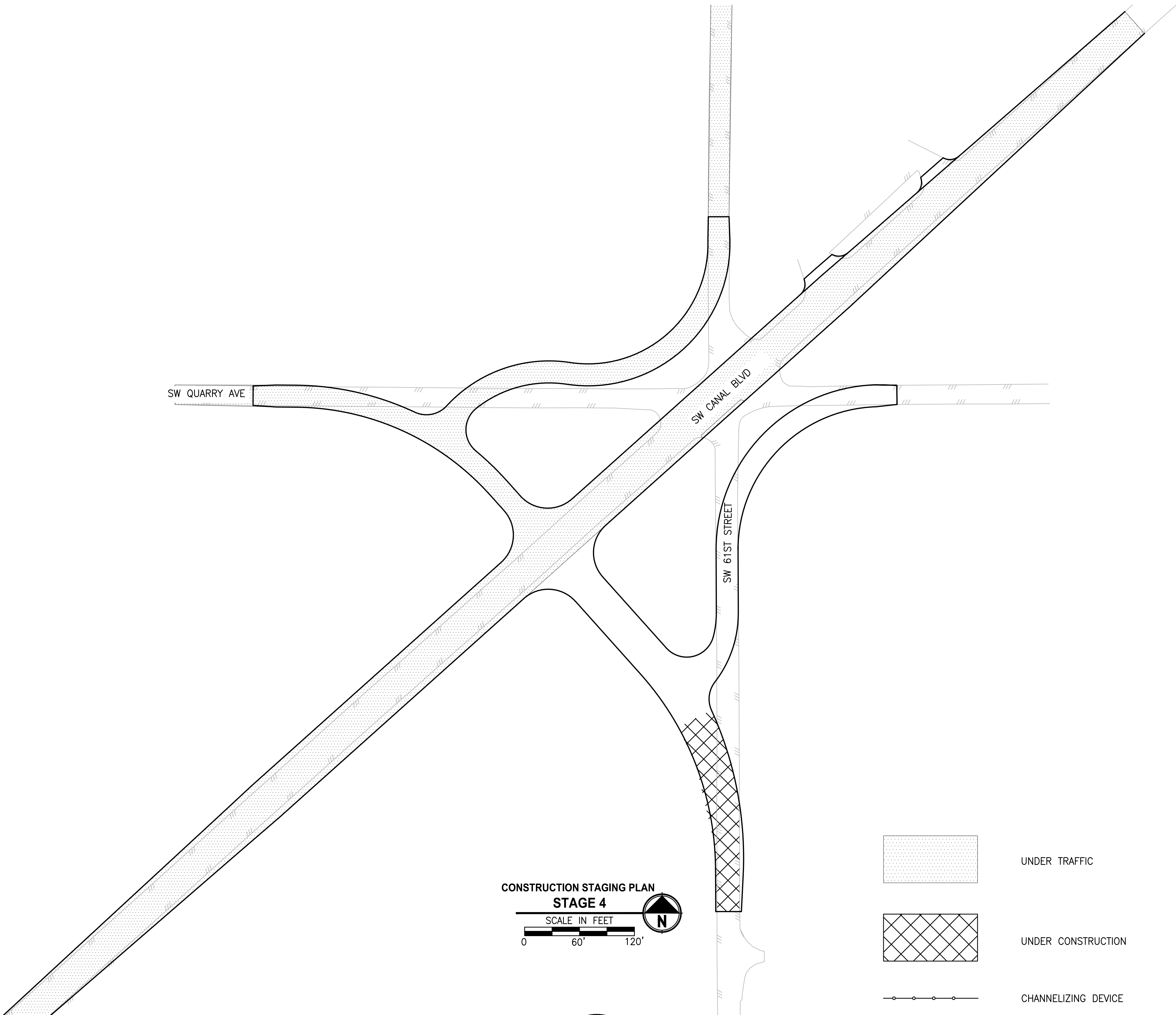
**CONSTRUCTION STAGING, STAGE 3**

DRAWING NO.  
15 OF 35

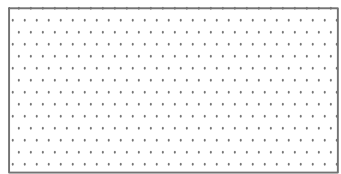
**C5.2**



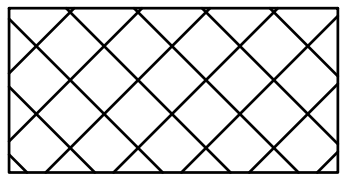
LAYOUT: C5.3 CONSTRUCTION STAGING STAGE 4      PATH: U:\Bend\Projects\Clients\Deschutes County\2509--Deschutes County\297--2509--005 OBRH Design Phase\99Svcs\CADD\DWG\SIX-CORNERS\EXHIBITS      PLOTTED BY: rccodav      DATE: Friday, May 3, 2019 11:27:21 AM



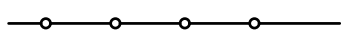
CONSTRUCTION STAGING PLAN  
STAGE 4  
SCALE IN FEET  
0 60' 120'



UNDER TRAFFIC



UNDER CONSTRUCTION



CHANNELIZING DEVICE

REVISIONS	DATE	BY	DESIGNED
			DR
			DRAWN
			DR/LYF
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
Construction Staging
JOB No.
DATE



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150 NW PACIFIC PARK LANE, SUITE 110 | BEND, OR 97701  
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PROJECT NAME
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

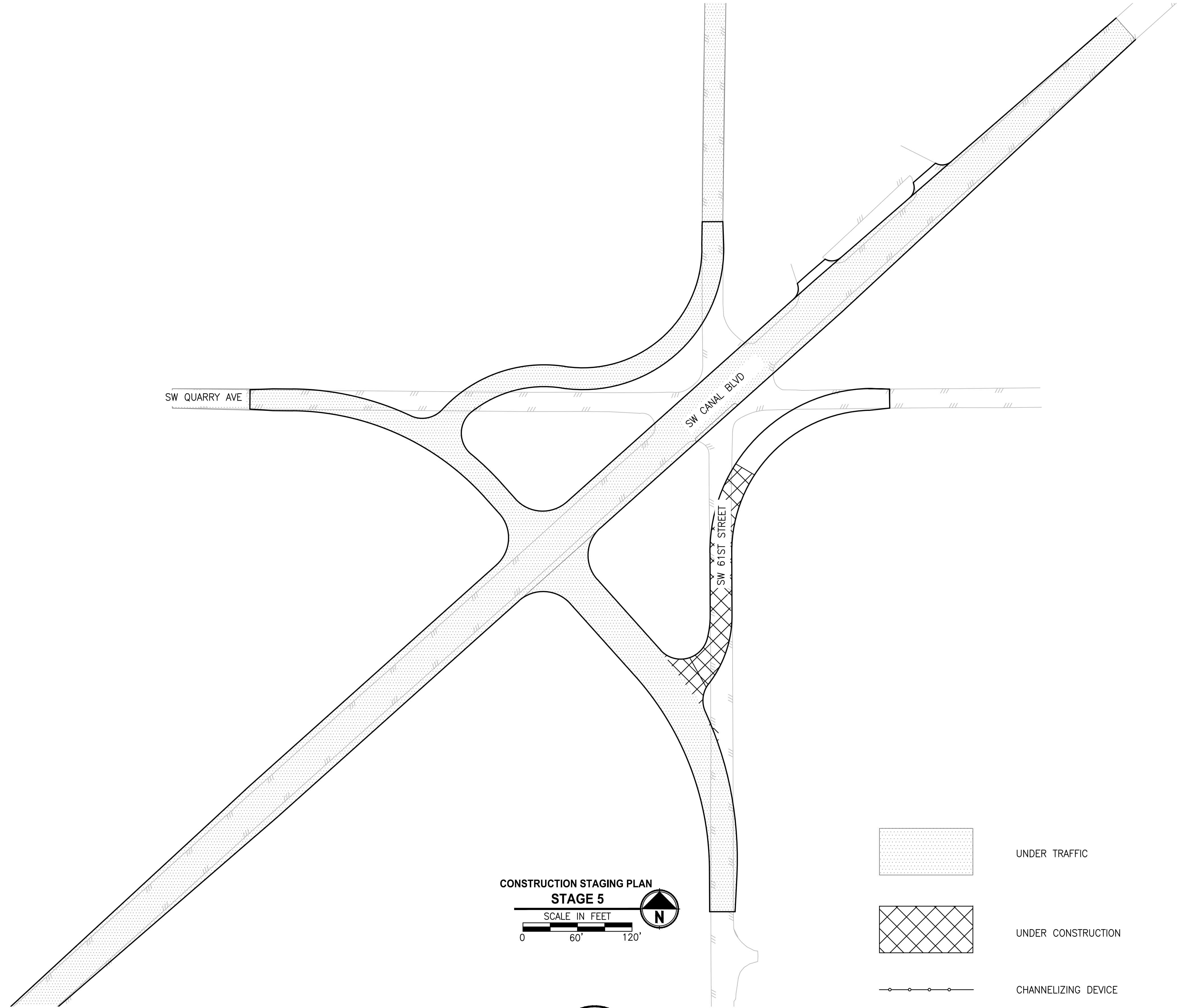
CONSTRUCTION STAGING, STAGE 4
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DRAWING NO. 16 OF 35
C5.3

FOR BIDDING REFERENCE ONLY



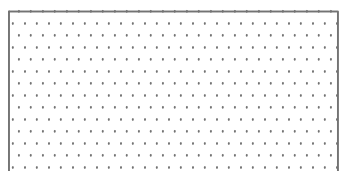
LAYOUT: C5.4 CONSTRUCTION STAGING STAGE 5      PATH: U:\Bend\Projects\Clients\2509-Deschutes County\237-2509-005 OBRH Design Phase\99Svcs\CADD\DWG\SIX-CORNERS\EXHIBITS      PLOTTED BY: rccodav      DATE: Friday, May 3, 2019 11:44:43 AM

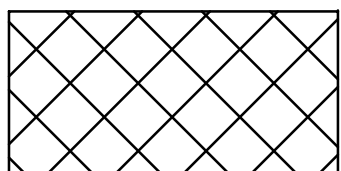


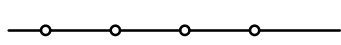
CONSTRUCTION STAGING PLAN  
STAGE 5

SCALE IN FEET

0 60' 120'

- 

UNDER TRAFFIC
- 

UNDER CONSTRUCTION
- 

CHANNELIZING DEVICE

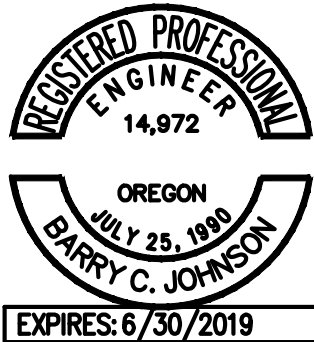
REVISIONS	DATE	BY	DESIGNED
			DR
			DRAWN
			DR/LYF
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY

FILE NAME  
Construction Staging

JOB No.

DATE



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**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

FOR BIDDING REFERENCE ONLY

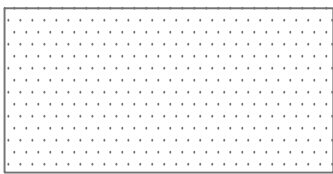
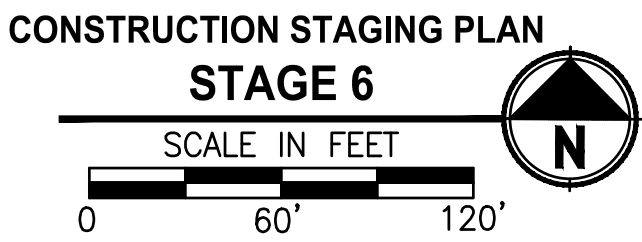
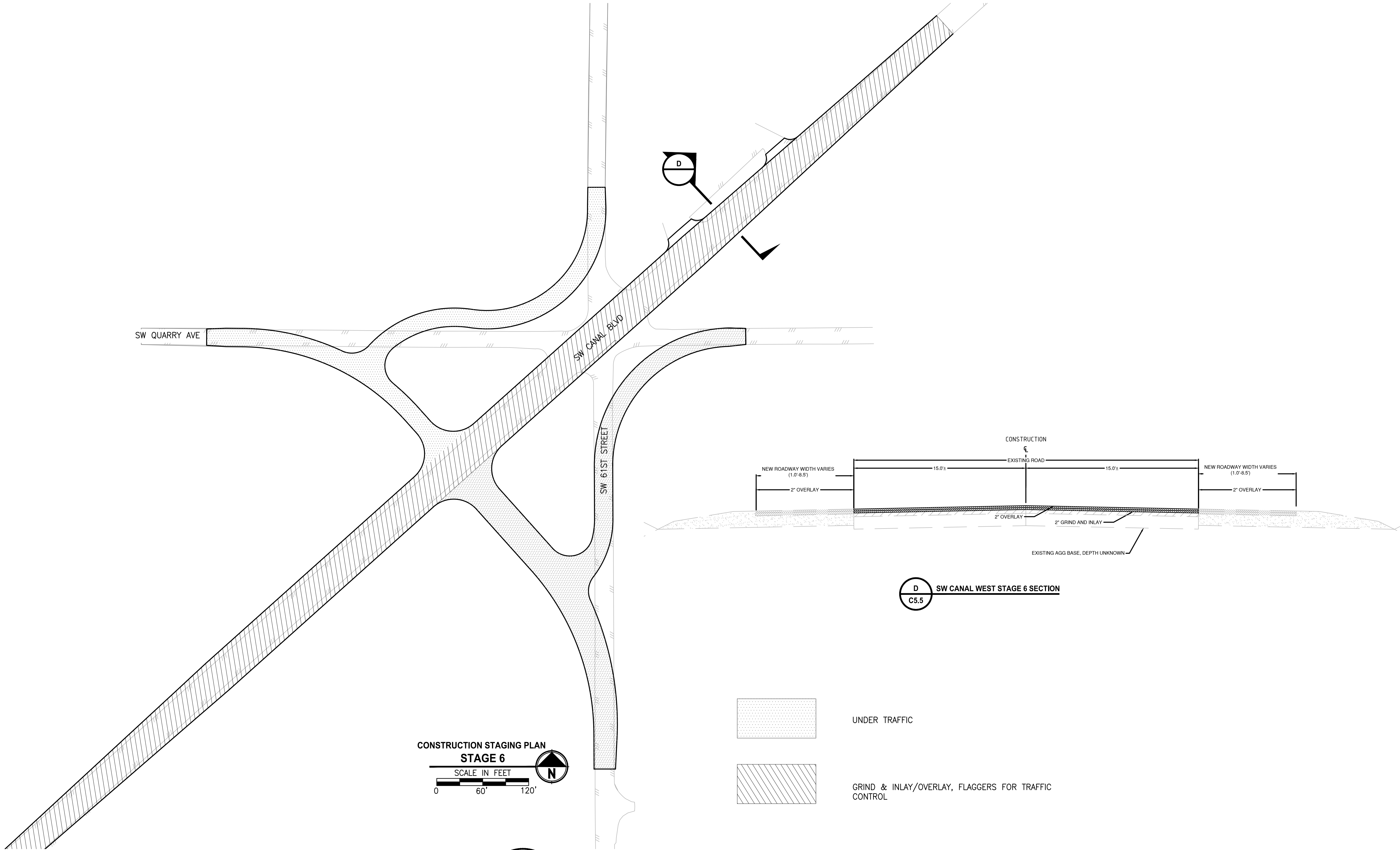
**CONSTRUCTION STAGING, STAGE 5**

DRAWING NO.  
17 OF 35

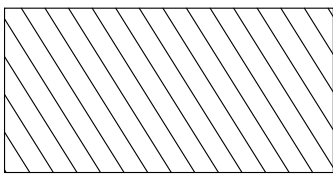
**C5.4**



LAYOUT: C5.5 CONSTRUCTION STAGING STAGE 6      PATH: U:\Bend\Projects\Clients\Deschutes County\2509--Deschutes County\2509-005 OBRH Design Phase\99Svcs\CADD\DWG\SIX-CORNERS\EXHIBITS      PLOTTED BY: ricodav      DATE: Friday, May 3, 2019 11:27:32 AM



UNDER TRAFFIC



GRIND & INLAY/OVERLAY, FLAGGERS FOR TRAFFIC CONTROL

REVISIONS	DATE	BY	DESIGNED
			DR
			DRAWN
			DR
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME Construction Staging
JOB No.
DATE



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PROJECT NAME
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

CONSTRUCTION STAGING, STAGE 6
-------------------------------

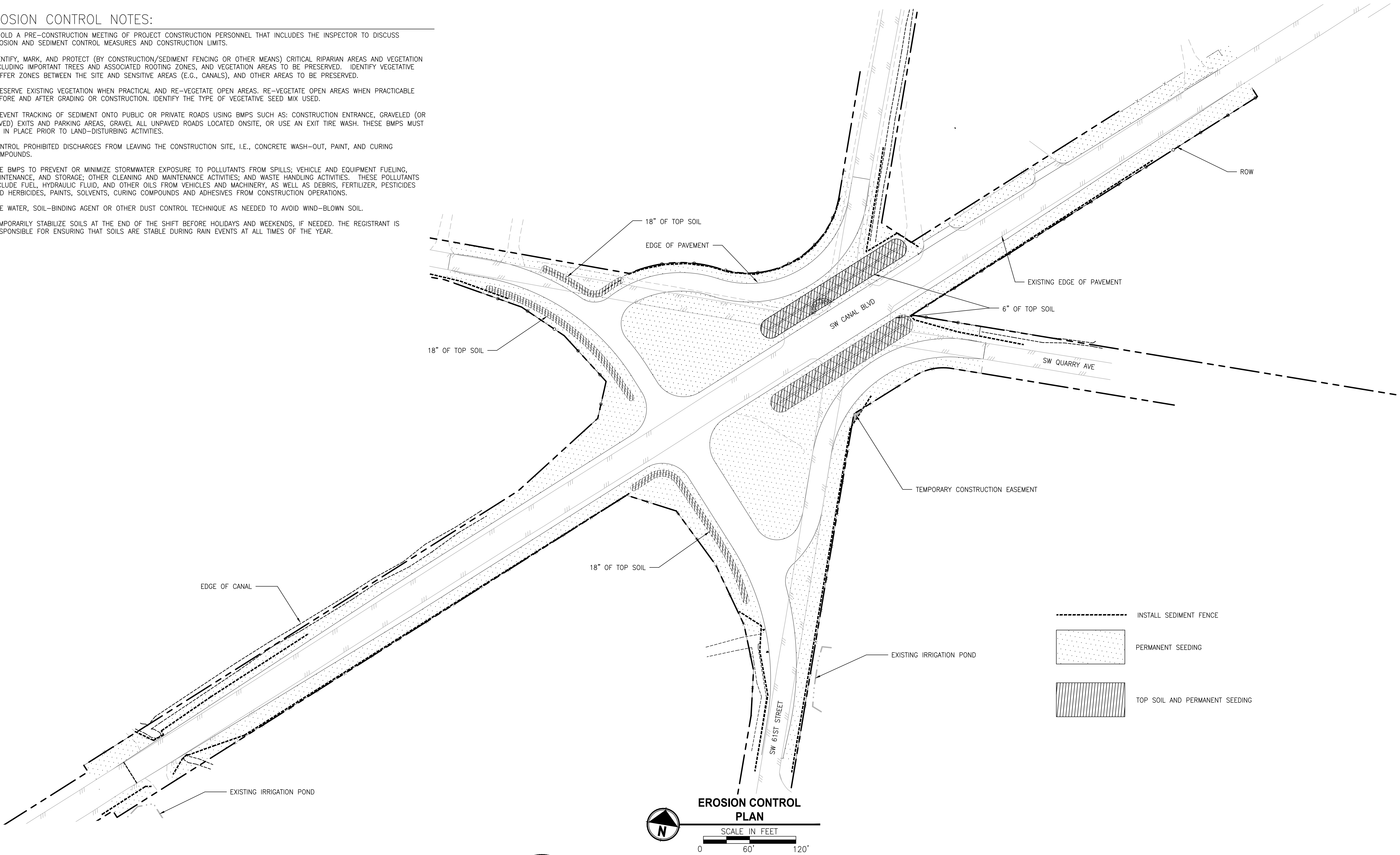
DRAWING NO 18 OF 35
C5.5

FOR BIDDING REFERENCE ONLY

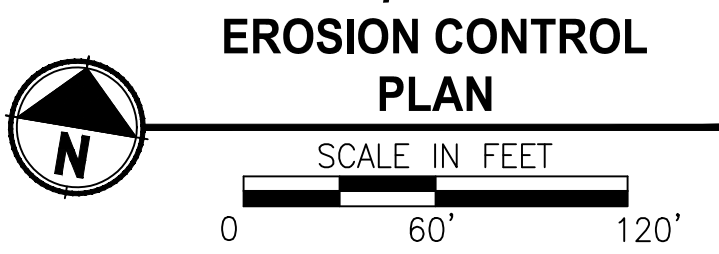


EROSION CONTROL NOTES:

1. HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.
- 2.IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION/SEDIMENT FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., CANALS), AND OTHER AREAS TO BE PRESERVED.
- 3.PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED.
- 4.PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPS MUST BE IN PLACE PRIOR TO LAND-DISTURBING ACTIVITIES.
- 5.CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, PAINT, AND CURING COMPOUNDS.
- 6.USE BMPS TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS.
- 7.USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL.
- 8.TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR.



- INSTALL SEDIMENT FENCE
- PERMANENT SEEDING
- TOP SOIL AND PERMANENT SEEDING



REVISIONS	DATE	BY	DESIGNED DR
			DRAWN DR/LYF
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME BE-2509-005.3-C6.0-ESC00
JOB No.
DATE



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PROJECT NAME

SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

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EROSION CONTROL PLAN

DRAWING NO. 19 OF 35

C6.0

LAYOUT: C6.0 EROSION CONTROL PLAN

PATH: U:\Bend\Projects\Clients\2509-Deschutes County\297-2509-005 OBRU Design Phase\99Svcs\CADD\DWG\SW-CORNERS\CD'S

PLOTTED BY: ricodav DATE: Friday, May 3, 2019 11:27:56 AM



SIGNING AND STRIPING LEGEND  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

LEGEND

- N

M

Install new (N) sign on new (M) sign support.
- N
- Install new sign (N).
- RSN

M
- Remove and save existing sign (n) and remove (M) sign support.
- RIN

M
- Reinstall existing sign (n) on new (M) sign support.
- EXN

M
- Maintain and protect existing sign (N) and (M) support.
- RX

M
- Remove existing sign (N) and (M) support.

ABBREVIATIONS

- N = Sign Number  
M = Material  
Material options:  
W = Wood Post  
ST = Perforated Steel Square Tube Sign Support

PAVEMENT MARKINGS LEGEND

- LA

Inst. left turn arrow (white)
- ND

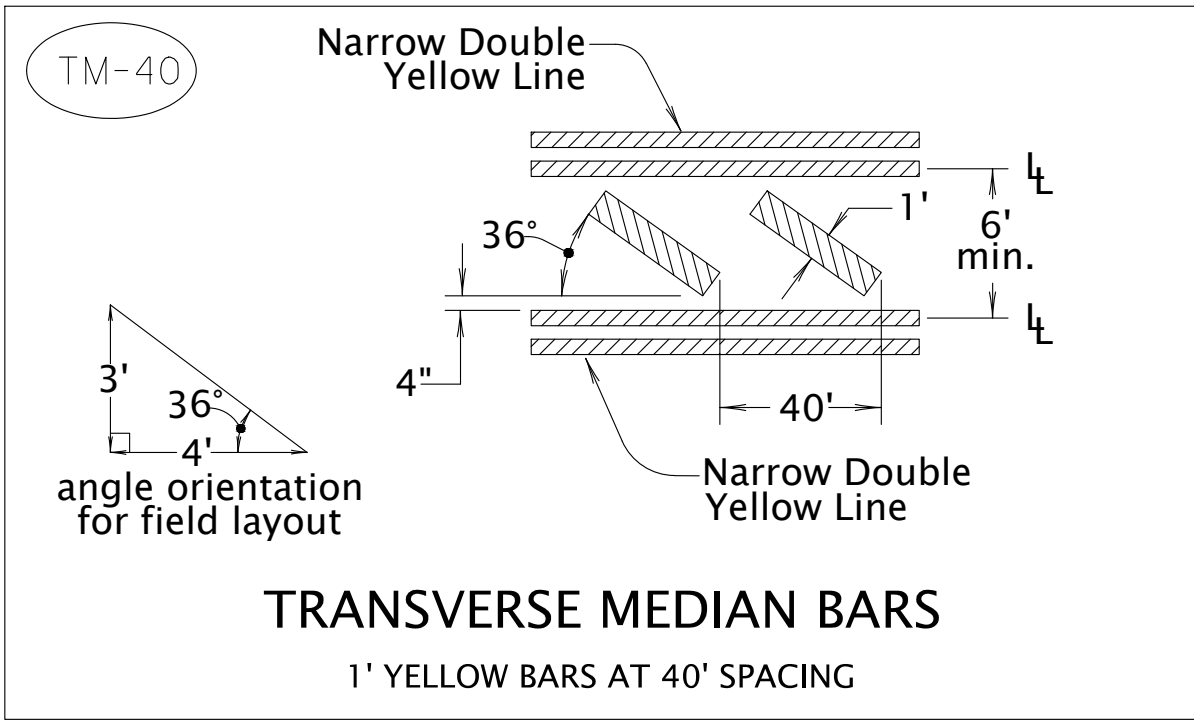
Inst. narrow double no-pass
- S

Inst. 12" white stop bar
- W

Inst. 4" white line
- W-2

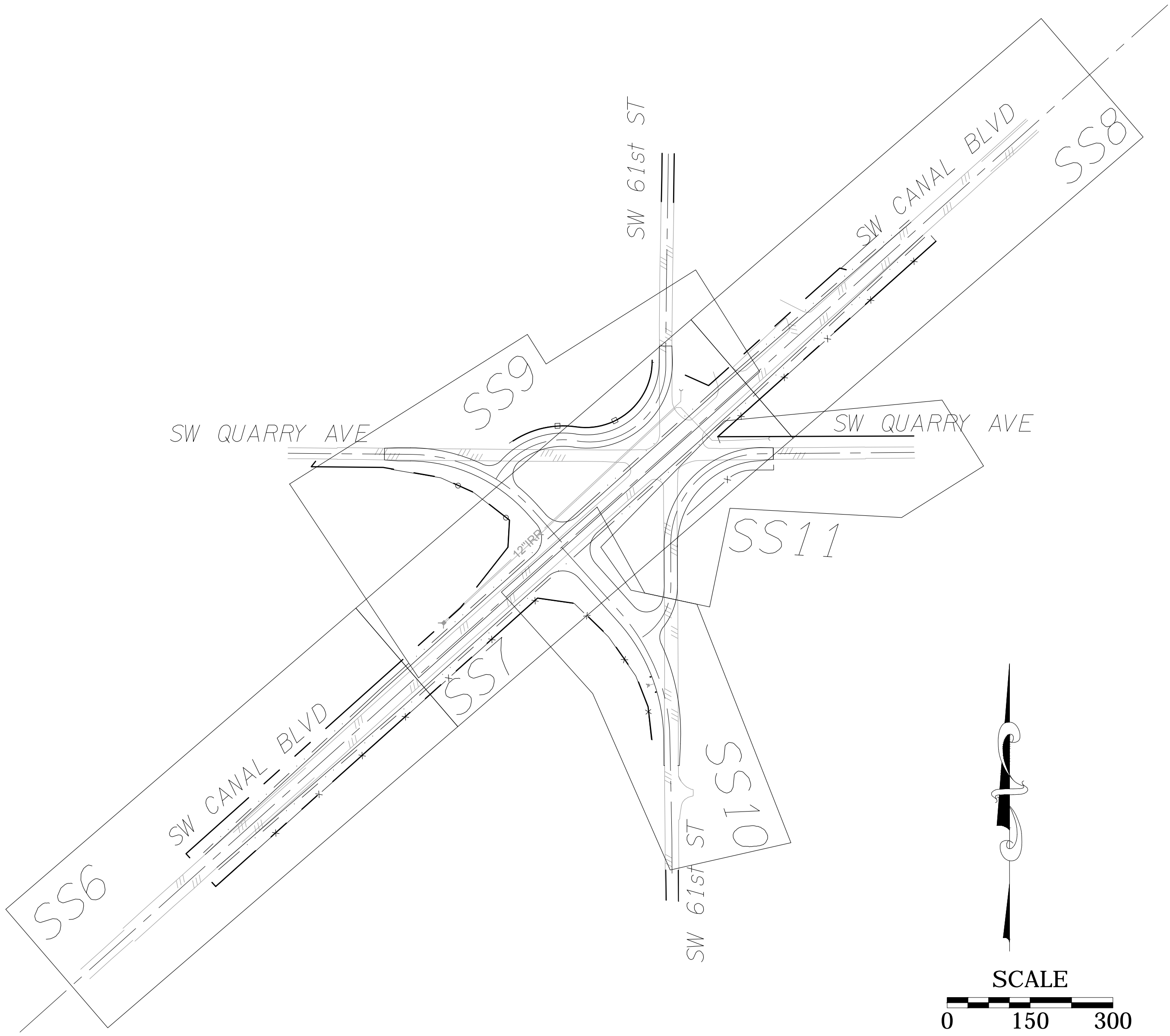
Inst. 8" white line
- TM-40

Inst. yellow transverse median bars at 40' spacing  
See detail on this sheet



GENERAL NOTES

- All signage and pavement marking shall conform to the requirements and specifications of the Manual on Uniform Traffic Control Devices (M.U.T.C.D.) latest edition, the Oregon supplement to the M.U.T.C.D., the Oregon Standard Specifications for Construction, and the project special provisions.
- All pre-markings for pavement markings and striping, as well as signs locations shall be approved by the Engineer prior to final placement.
- All longitudinal pavement markings, shall be thermoplastic, extruded or sprayed, non-profiled.
- All transverse bar and legend pavement markings shall be "Thermoplastic, Type AB."
- All signs and sign supports removed from the project shall be salvaged to Deschutes County.
- All delineators shall conform to ODOT Standard Drawings TM570 - TM576.



INDEX SCHEMATIC

REVISIONS	DATE	BY	DESIGNED SGB
			DRAWN JDS
			CHECKED HJS
			APPROVED SGB

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FILE NAME
JOB No.
DATE 5/3/2019

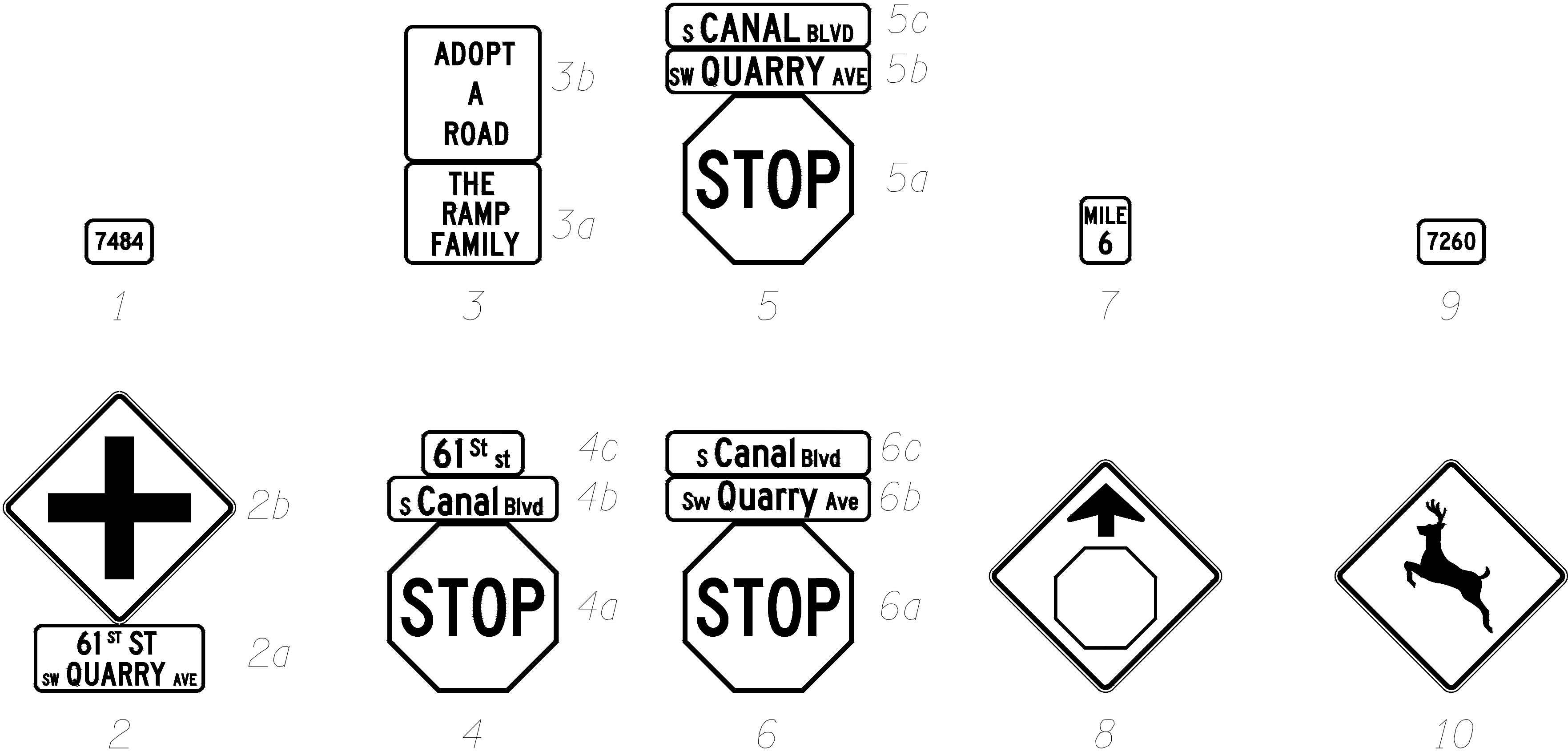


PROJECT NAME
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

FOR BIDDING REFERENCE ONLY
LEGEND

DRAWING NO. 20 OF 35
SS1





REVISIONS	DATE	BY	DESIGNED SGB
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			CHECKED HJS
			APPROVED SGB

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FILE NAME
JOB No.
DATE 5/3/2019



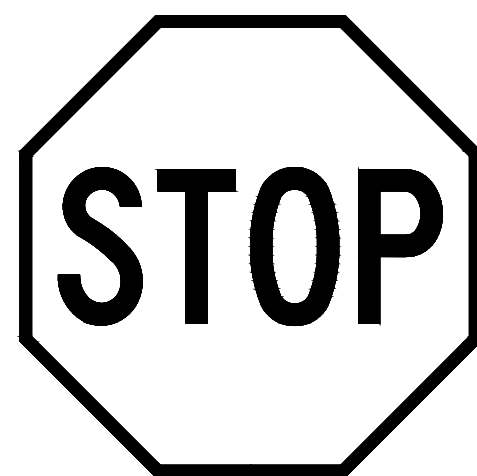
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SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

EXISTING SIGN DETAILS
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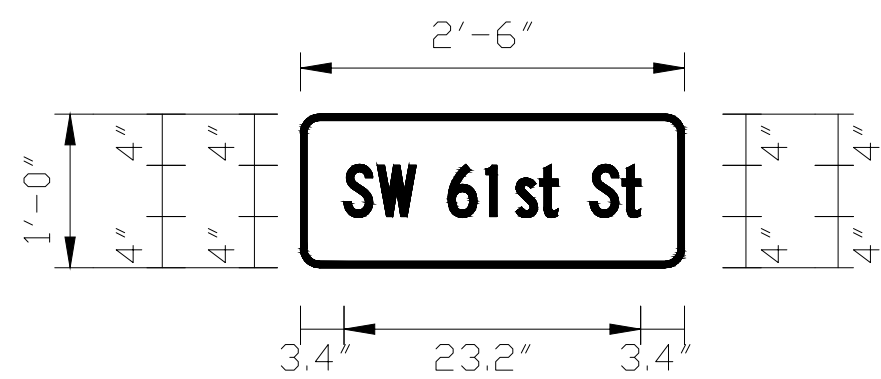
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FOR BIDDING REFERENCE ONLY

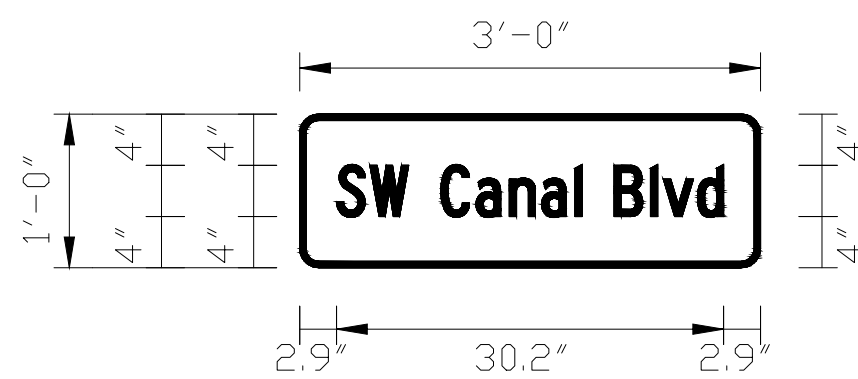




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MUTCD No. R1-1



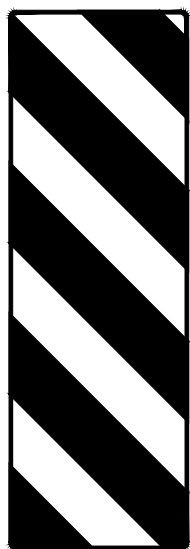
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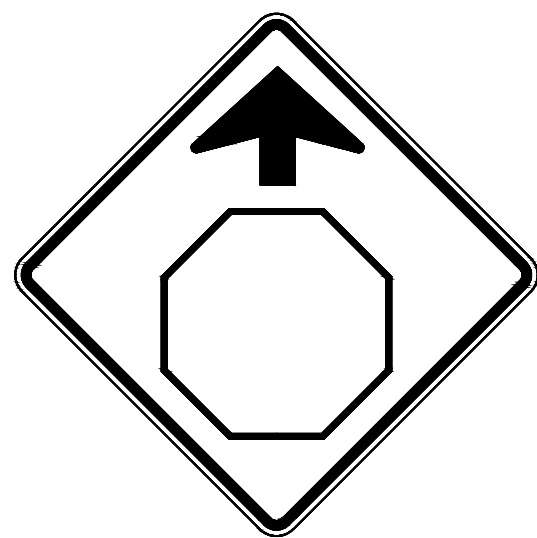
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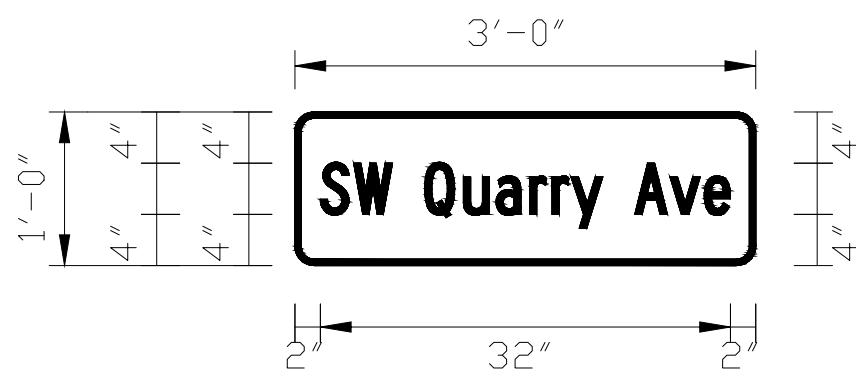
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MUTCD No. W13-1P



Sign No. 109  
MUTCD No. OM-3L



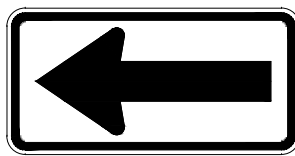
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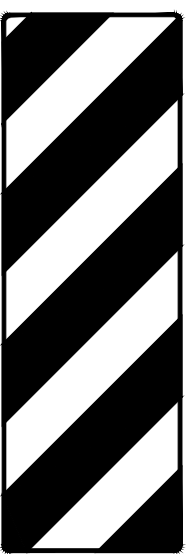
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Sign No. 106  
MUTCD No. D3-2



Sign No. 108  
MUTCD No. W1-6



Sign No. 110  
MUTCD No. OM-3R

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			APPROVED SGB

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FILE NAME

JOB No.

DATE 5/3/2019



PROJECT NAME

SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS

PROPOSED SIGN DETAILS

DRAWING NO.  
22 OF 35

SS3

FOR BIDDING REFERENCE ONLY



SIGN & POST DATA TABLE  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

[illegible]

1/

BK= BLACK  
BL= BLUE  
BR= BROWN  
FY= FLUORESCENT YELLOW  
G= GREEN  
O= ORANGE  
R= RED  
RB= RED-BLUE  
SW= SILVER-WHITE  
W= WHITE  
Y= YELLOW  
YG= YELLOW-GREEN

2/ NOTE: L,C,R ARE LOCATIONS OF POSTS  
FACING THE SIGN.  
L=LEFT POST  
C=CENTER POST  
R=RIGHT POST

**3/ DISTANCE FROM EDGE OF TRAVEL LANE, FACE OF CURB, GUARDRAIL, OR BARRIER TO THE CENTERLINE OF FOOTING. FOR ADDITIONAL INFORMATION SEE STANDARD DRAWINGS TM601, TM602, AND TM635.**

**4/ NOTE: THE LOCATIONS SHOWN ARE APPROXIMATE EXCEPT FOR SPEED ZONES, SCHOOL ZONES, OBJECT MARKERS AND MILEPOST MARKERS. EXACT LOCATIONS ARE TO BE DETERMINED BY THE ENGINEER.**

**5/ MINIMUM DEPTH OF FOOTING FOR TRIANGULAR  
BASE BREAKAWAY AND MULTI-POST BREAKAWAY  
INSTALLATIONS IS FOR A 2' DIAMETER FOOTING.  
FOR ADDITIONAL INFORMATION SEE STANDARD  
DRAWINGS TM601 AND TM602.**

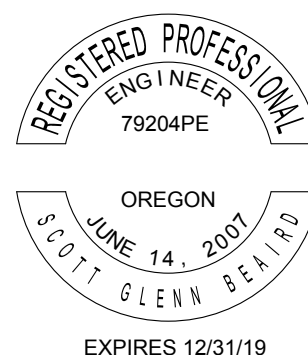
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				APPROVED SGR

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IF NOT, SCALE ACCORDINGLY

FILE NAME

JOB No.

DATE  
5/3/2019



PROJECT NAME

**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

## SIGN & POST DATA TABLE

DRAWING NO.  
3 OF 35

SS4



SIGN & POST DATA TABLE  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

[illegible]

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BK=	BLACK
BL=	BLUE
BR=	BROWN
FY=	FLUORESCENT YELLOW
G=	GREEN
O=	ORANGE
R=	RED
RB=	RED-BLUE
SW=	SILVER-WHITE
W=	WHITE
Y=	YELLOW
YG=	YELLOW-GREEN

2/ NOTE: L,C,R ARE LOCATIONS OF POSTS  
FACING THE SIGN.  
L=LEFT POST  
C=CENTER POST  
R=RIGHT POST

**3/ DISTANCE FROM EDGE OF TRAVEL LANE, FACE OF CURB, GUARDRAIL, OR BARRIER TO THE CENTERLINE OF FOOTING. FOR ADDITIONAL INFORMATION SEE STANDARD DRAWINGS TM601, TM602, AND TM635.**

**4/ NOTE: THE LOCATIONS SHOWN ARE APPROXIMATE EXCEPT FOR SPEED ZONES, SCHOOL ZONES, OBJECT MARKERS AND MILEPOST MARKERS. EXACT LOCATIONS ARE TO BE DETERMINED BY THE ENGINEER.**

5/ MINIMUM DEPTH OF FOOTING FOR TRIANGULAR  
BASE BREAKAWAY AND MULTI-POST BREAKAWAY  
INSTALLATIONS IS FOR A 2' DIAMETER FOOTING.  
FOR ADDITIONAL INFORMATION SEE STANDARD  
DRAWINGS TM601 AND TM602.

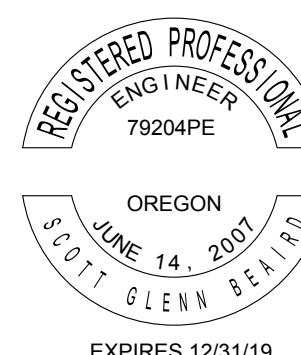
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FILE NAME

JOB No.

DATE 5/3/2019



PROJECT NAME

**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

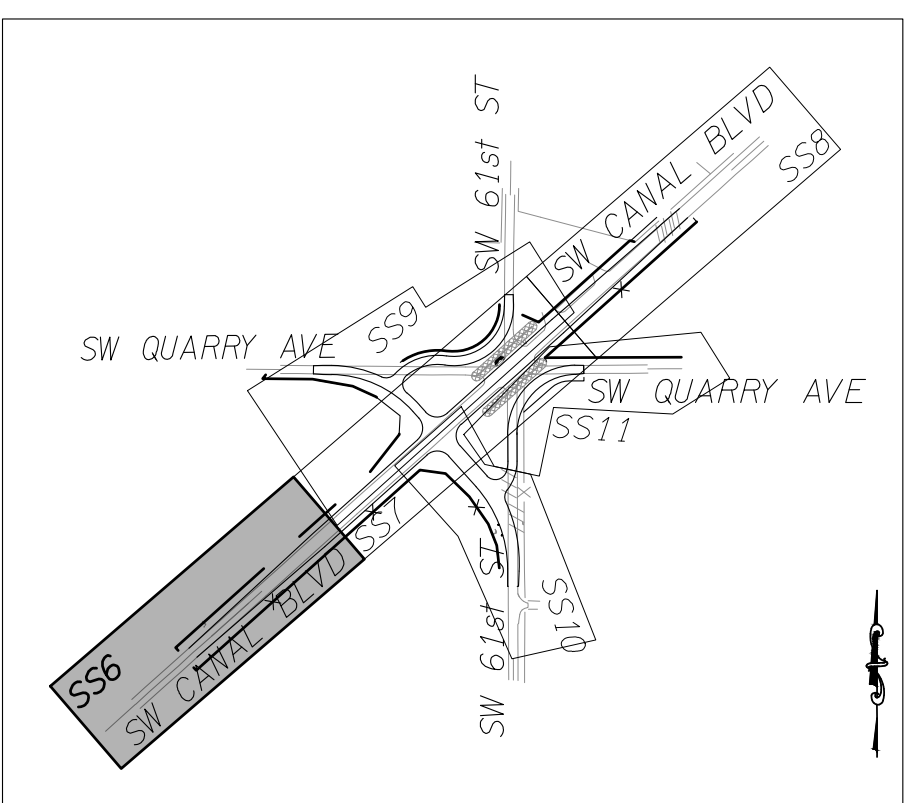
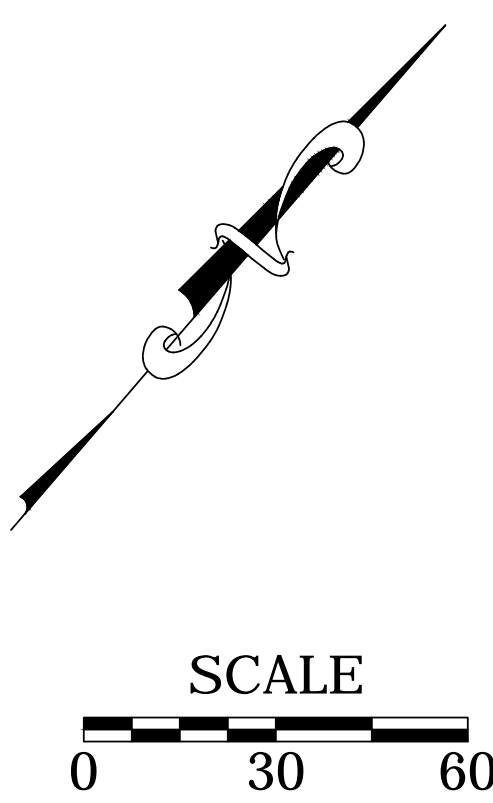
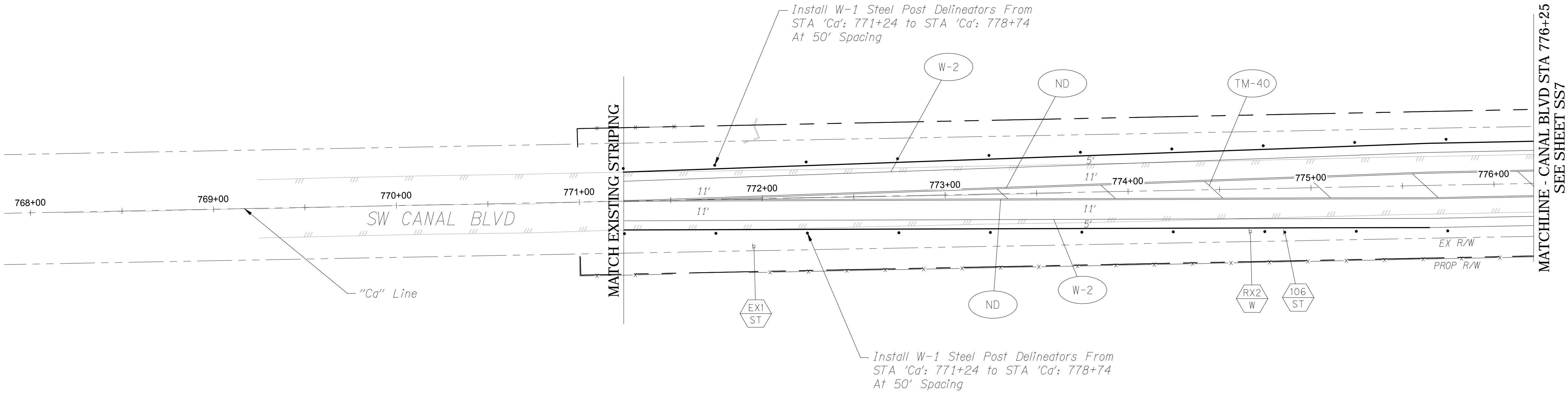
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DRAWING NO.  
4 OF 35

SS5



SIGNING & STRIPING PLAN CANAL BLVD  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



FOR BIDDING REFERENCE ONLY

REVISIONS	DATE	BY	DESIGNED SGB
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			CHECKED HJS
			APPROVED SGB

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FILE NAME
JOB No.
DATE 5/3/2019



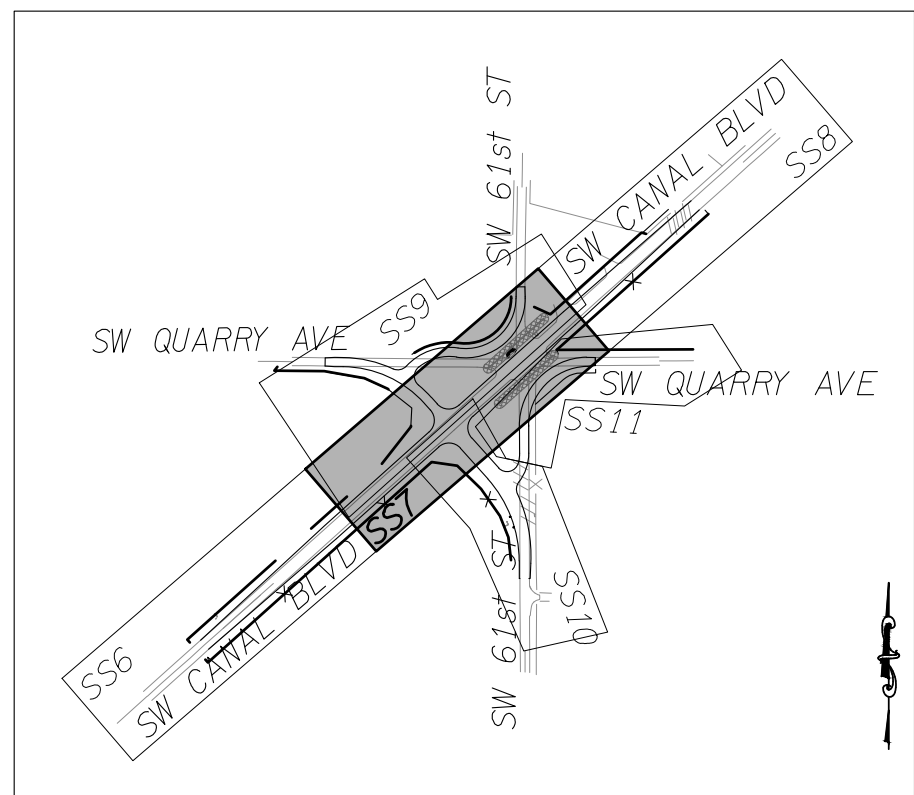
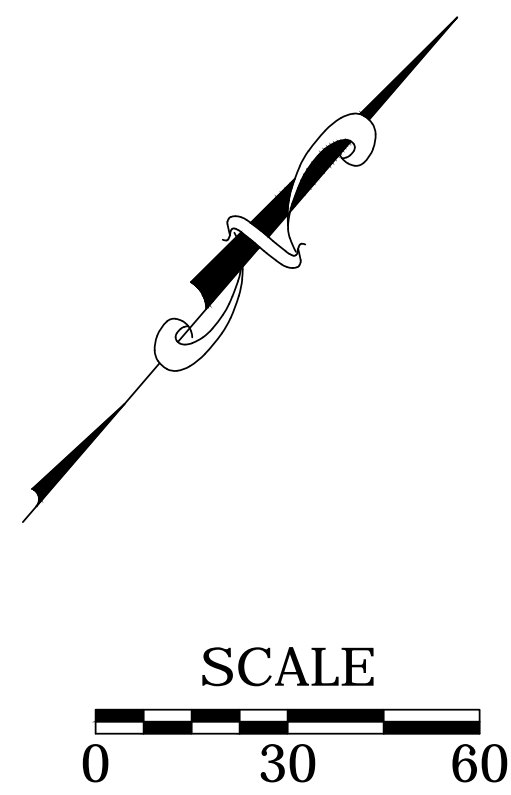
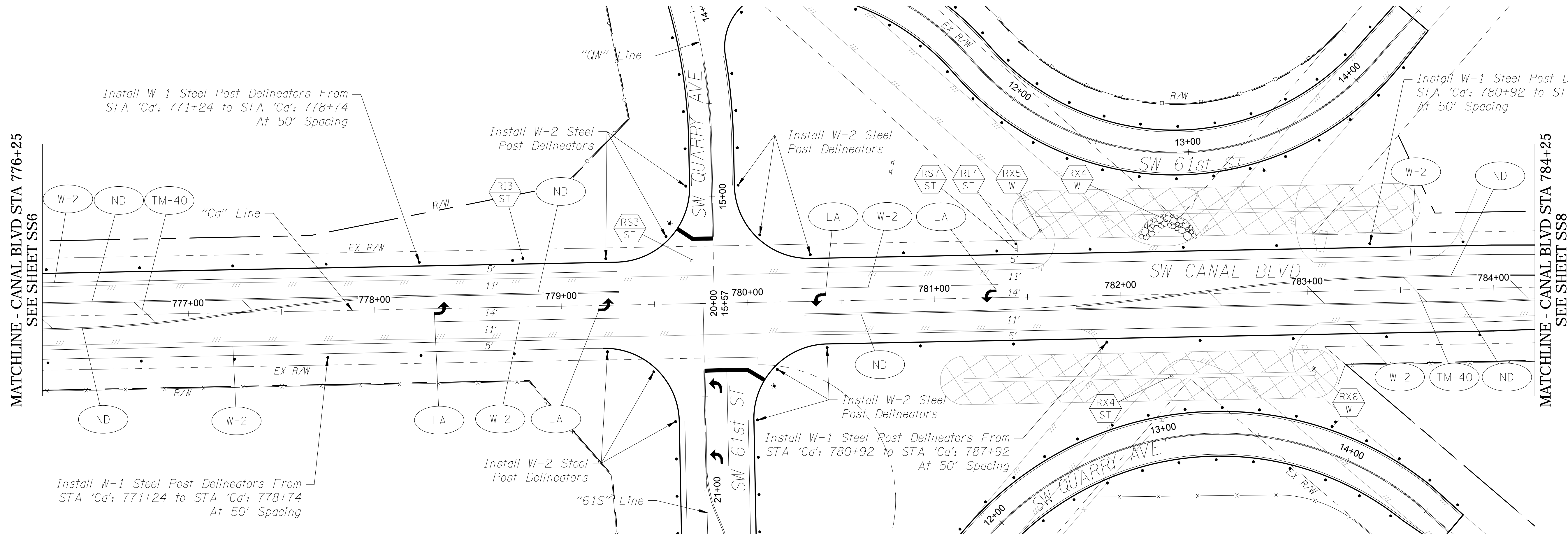
PROJECT NAME
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

SIGNING & STRIPING PLAN CANAL BLVD
---------------------------------------

DRAWING NO. 25 OF 35
SS6



SIGNING & STRIPING PLAN CANAL BLVD  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



FOR BIDDING REFERENCE ONLY

REVISIONS	DATE	BY	DESIGNED SGB
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			CHECKED HJS
			APPROVED SGB

**ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY.**

FILE NAME

JOB No.

DATE 5/3/2019



PROJECT NAME

**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

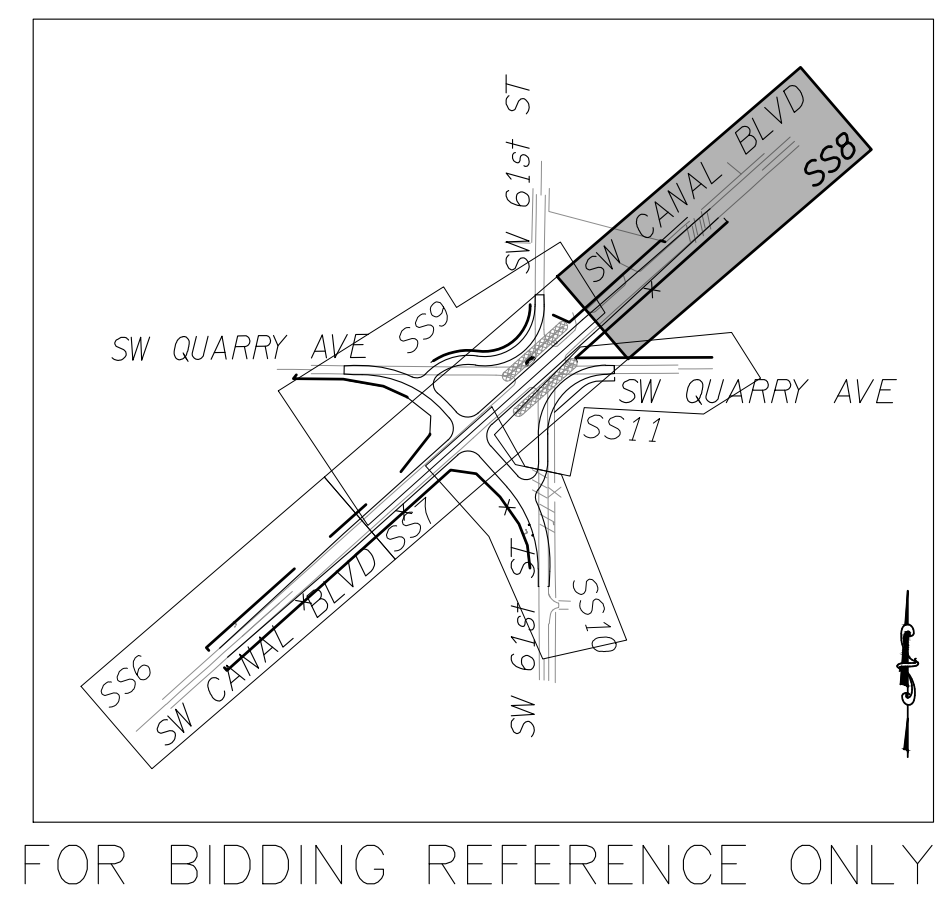
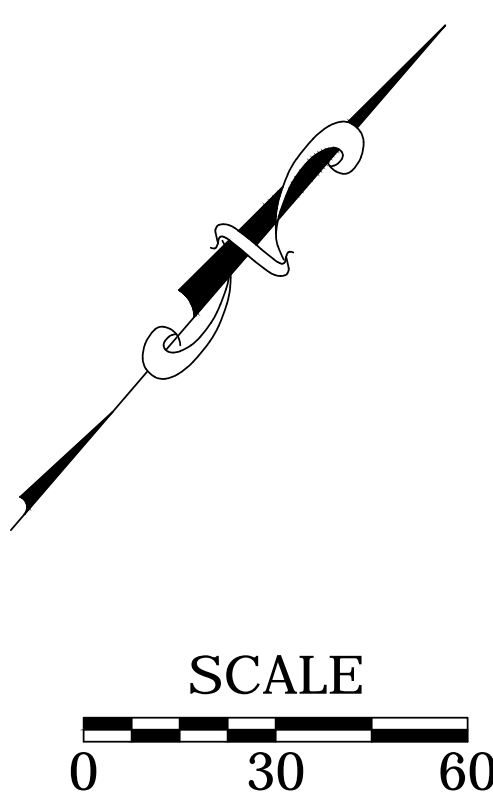
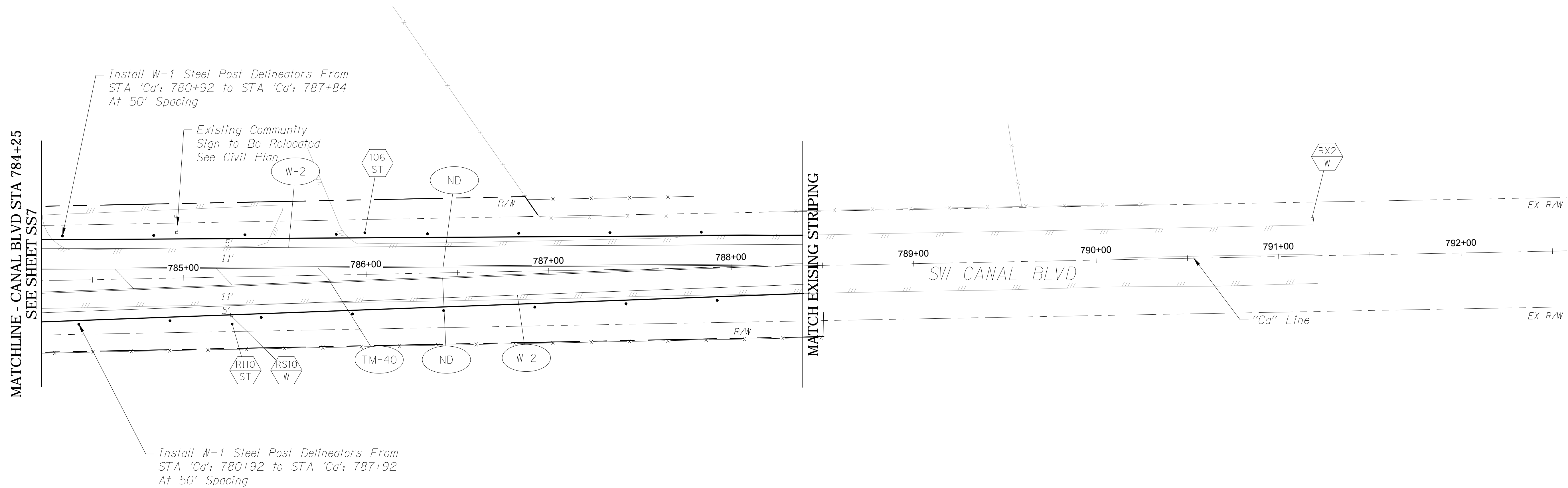
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CANAL BLVD**

DRAWING NO.  
**26 OF 35**

**SS7**



SIGNING & STRIPING PLAN CANAL BLVD  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



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			DRAWN JDS
			CHECKED HJS
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FILE NAME

JOB No.

DATE  
5/3/2019



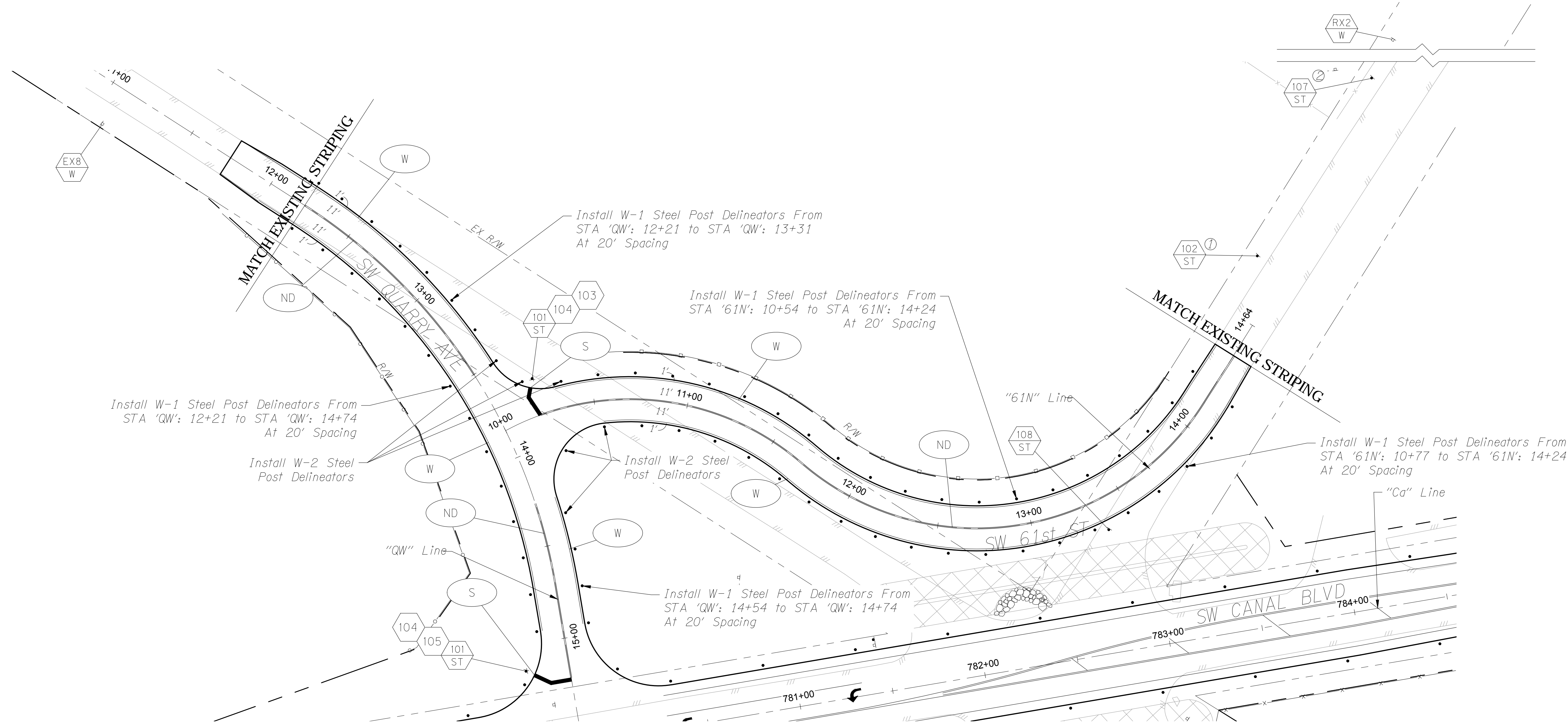
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SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS

SIGNING & STRIPING PLAN  
CANAL BLVD

DRAWING NO.  
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SS8

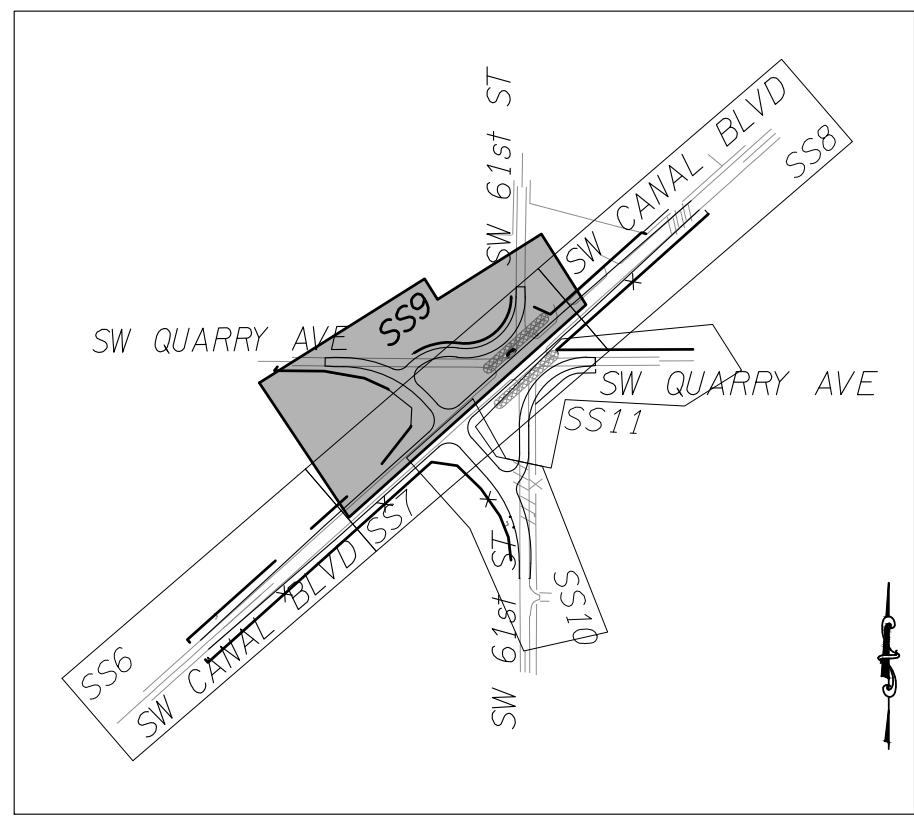
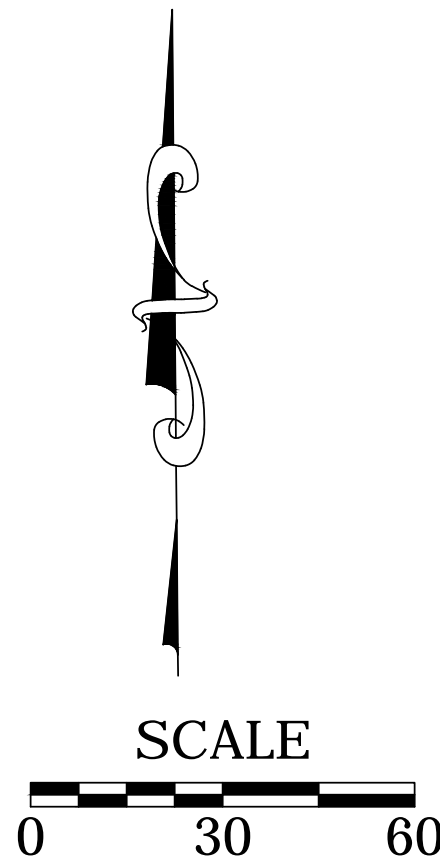


SIGNING & STRIPING PLAN QUARRY AVE  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



CONSTRUCTION NOTES

- ① Install new sign assembly 5' from edge of existing asphalt and 70' from last delineator
- ② Install new sign assembly 5' from edge of existing asphalt and 115' from sign 102



FOR BIDDING REFERENCE ONLY

REVISIONS	DATE	BY	DESIGNED SGB
			DRAWN JDS
			CHECKED HJS
			APPROVED SGB

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
JOB No.
DATE 5/3/2019



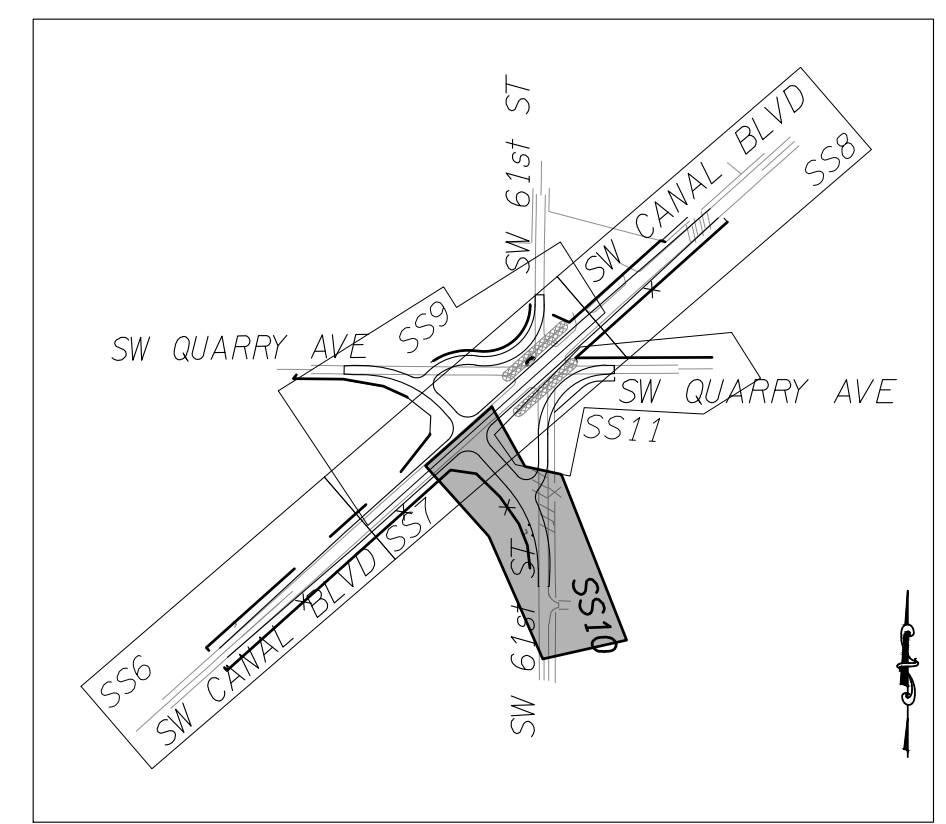
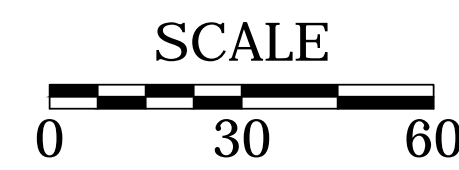
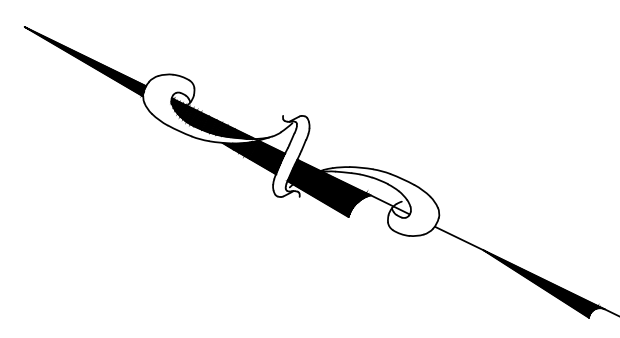
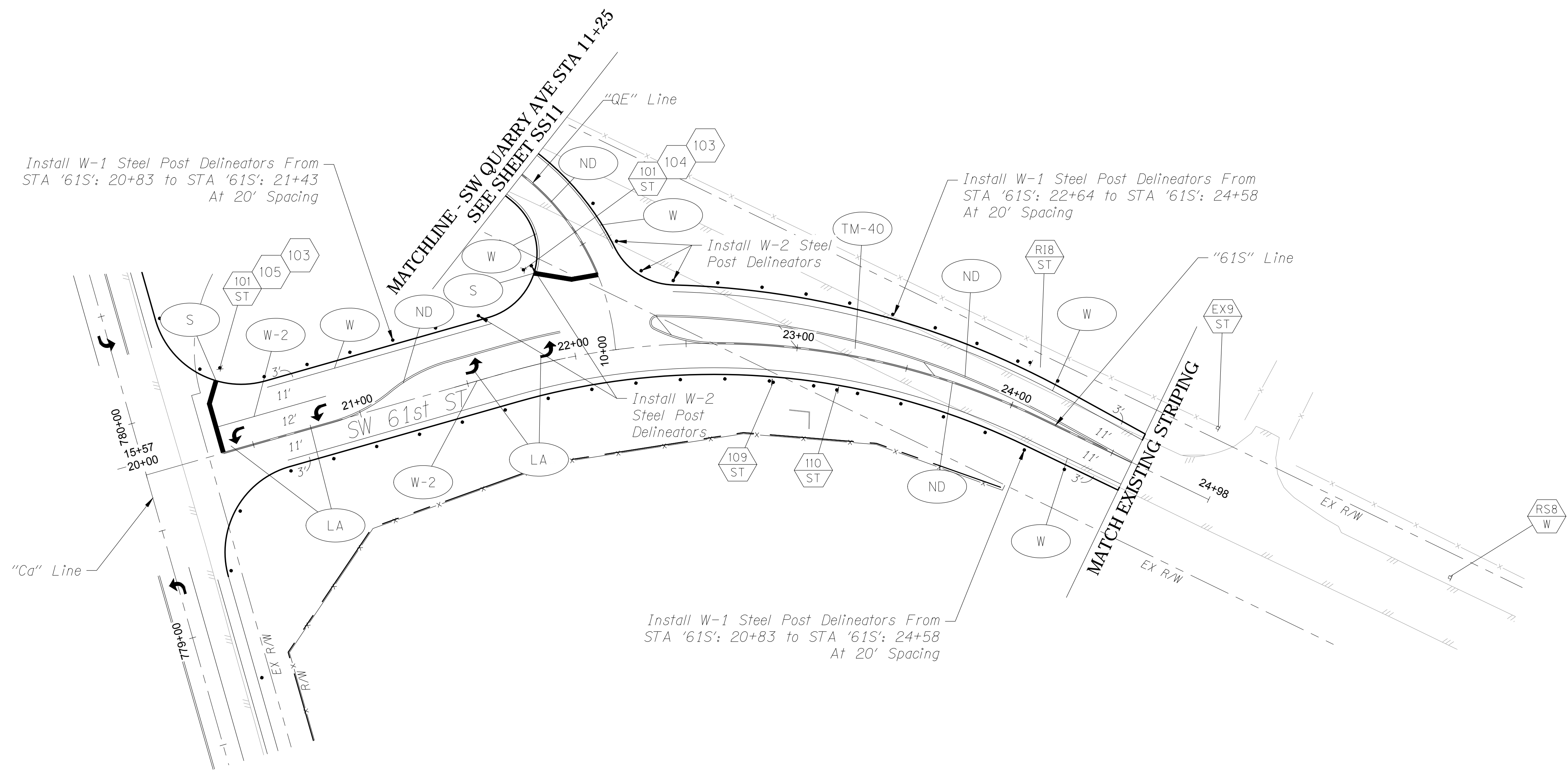
PROJECT NAME
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

SIGNING & STRIPING PLAN QUARRY AVE
---------------------------------------

DRAWING NO. 28 OF 35
SS9



SIGNING & STRIPING PLAN 61ST ST  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



FOR BIDDING REFERENCE ONLY

REVISIONS	DATE	BY	DESIGNED SGB
			DRAWN JDS
			CHECKED HJS
			APPROVED SGB

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY

FILE NAME

JOB No.

DATE 5/3/2019



PROJECT NAME

SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS

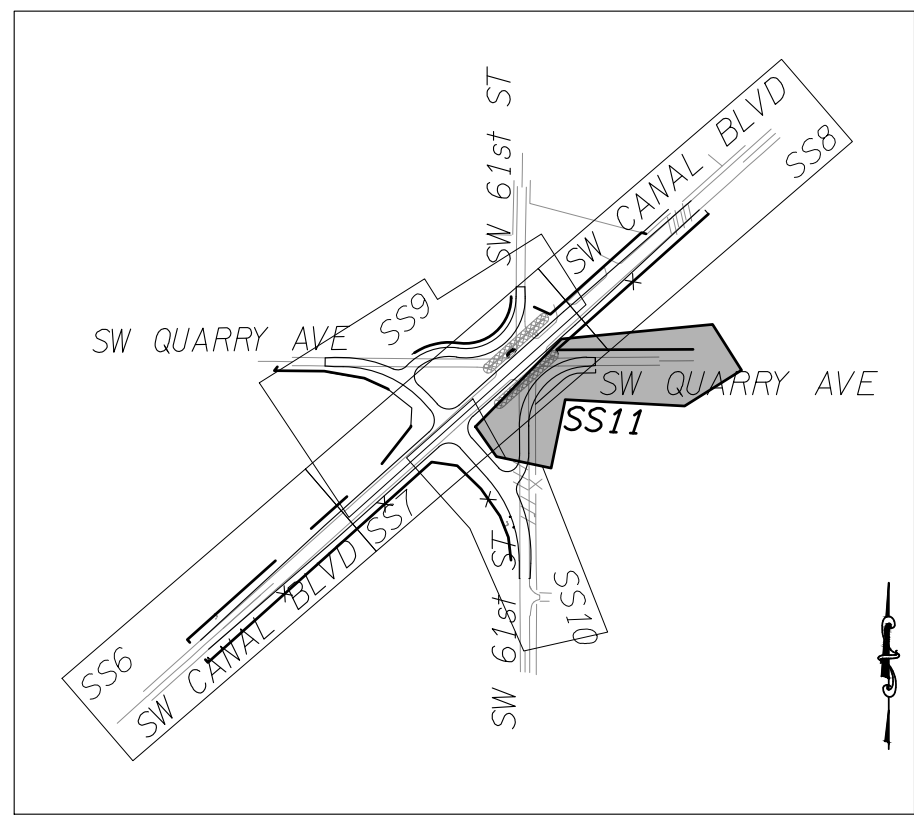
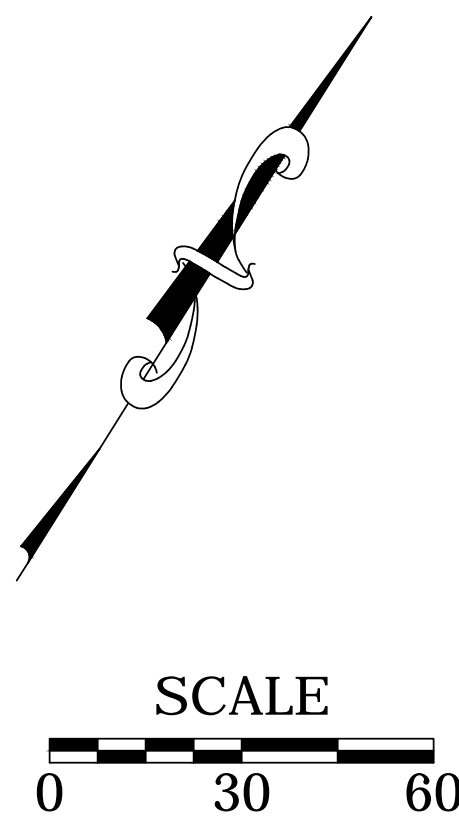
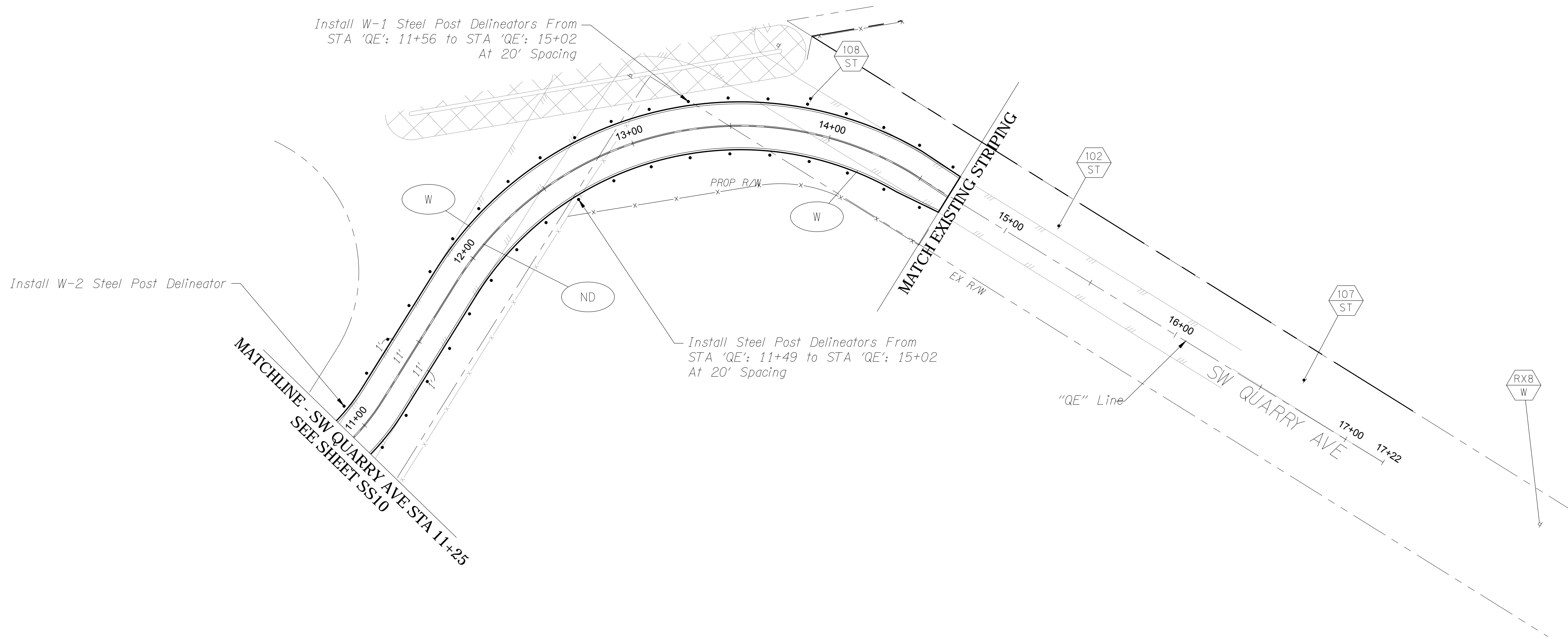
SIGNING & STRIPING PLAN  
61ST ST

DRAWING NO.  
29 OF 35

SS10



SIGNING & STRIPING PLAN SW QUARRY AVE  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



FOR BIDDING REFERENCE ONLY

REVISIONS	DATE	BY	DESIGNED SGB
			DRAWN JDS
			CHECKED HJS
			APPROVED SGB

<b>ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY</b>
FILE NAME
JOB No.
DATE 5/3/2019



**KITTELSON  
& ASSOCIATES**

PROJECT NAME  
**SW CANAL BLVD AT SIX CORNERS  
INTERSECTION IMPROVEMENTS**

**SIGNING & STRIPING PLAN  
SW QUARRY AVE**

DRAWING NO.  
30 OF 35  
**SS11**



DETOUR PLAN - STAGE 2  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

ROAD CLOSED  
TO THRU TRAFFIC  
LOCAL ACCESS ONLY

60"x30"

1

ROAD  
CLOSED

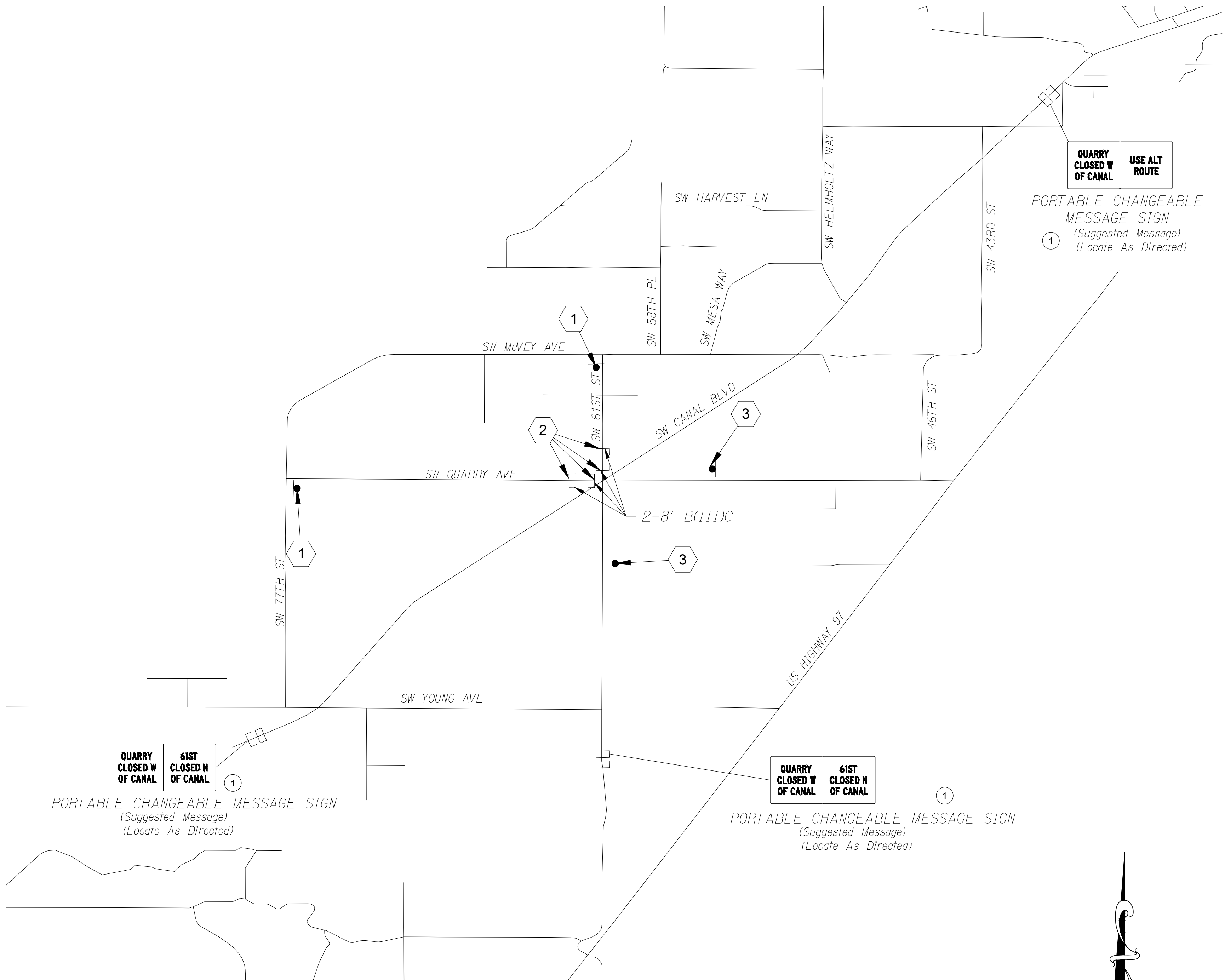
48"x30"

2

ROAD  
CLOSED  
AHEAD

36"x36"

3



GENERAL NOTES

1. All sign dimensions listed in inches unless otherwise noted.
2. Maintain and protect existing signs.
3. Ensure a minimum of 100' spacing between existing and temporary signs.

LEGEND

- Type III Barricade
- Post Mounted Detour Sign

CONSTRUCTION NOTES

- ① Portable Changeable Message Signs To Remain On Project Throughout Construction And Be Located As Directed.

REVISIONS	DATE	BY	DESIGNED
			SGB
			DRAWN
			JDS
			CHECKED
			HJS
			APPROVED
			SGB

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
JOB No.
DATE 5/3/2019



PROJECT NAME
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

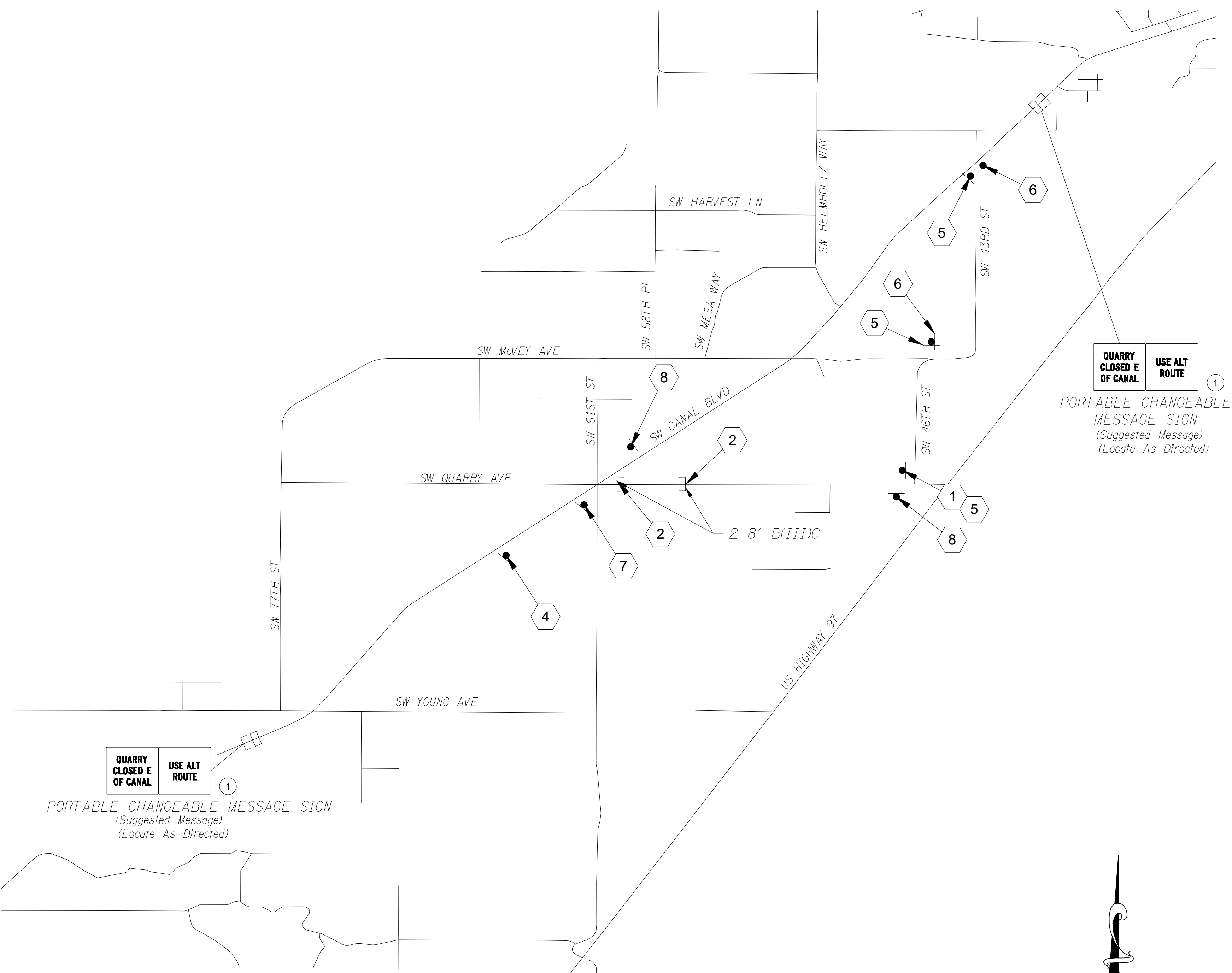
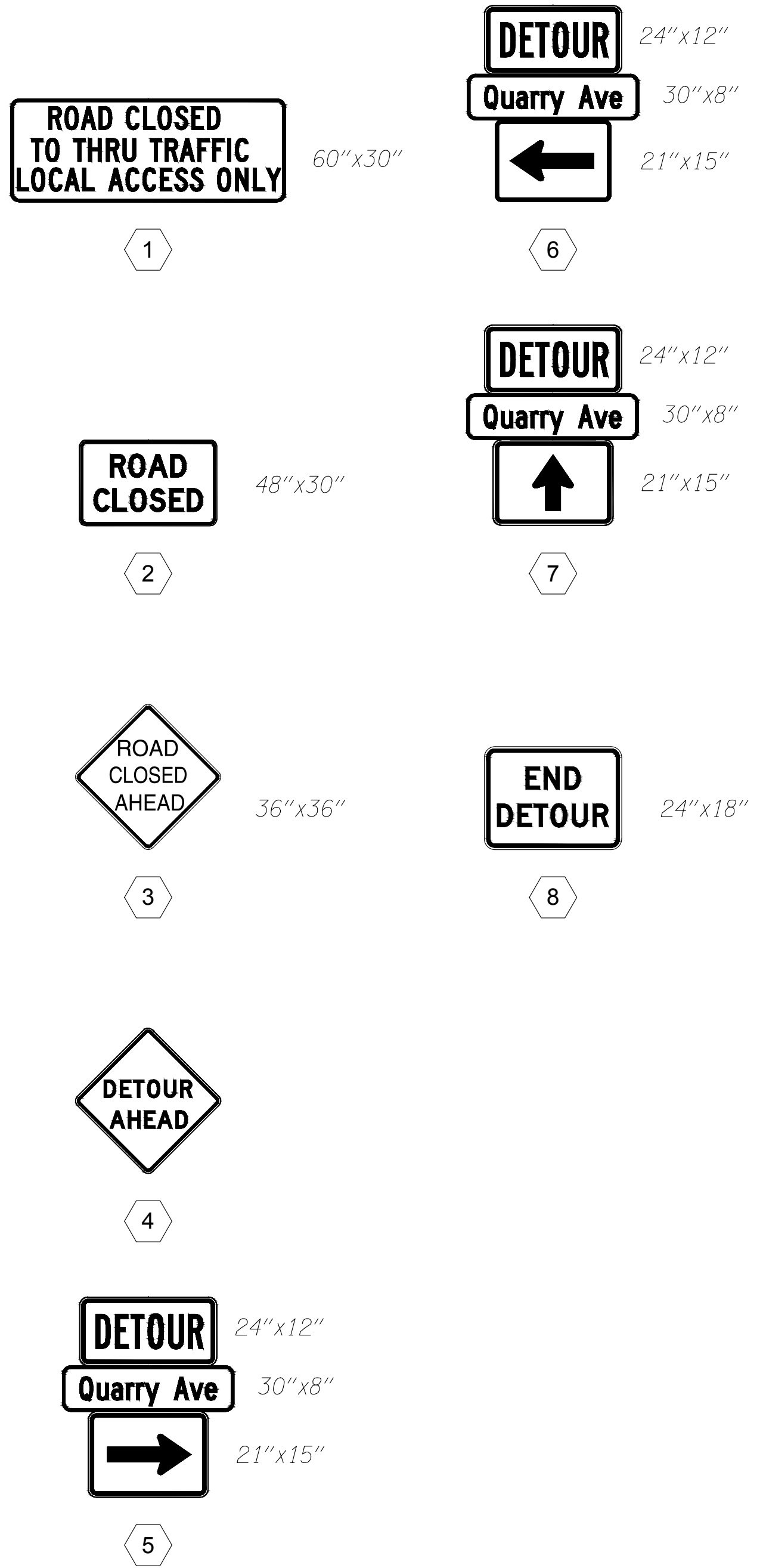
DETOUR PLAN - STAGE 2
-----------------------

DRAWING NO. 31 OF 35
SS12

FOR BIDDING REFERENCE ONLY



DETOUR PLAN - STAGES 3 & 5  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



GENERAL NOTES

1. All sign dimensions listed in inches unless otherwise noted.
2. Maintain and protect existing signs.
3. Ensure a minimum of 100' spacing between existing and temporary signs.

LEGEND

- Type III Barricade
- Post Mounted Detour Sign

CONSTRUCTION NOTES

1. Portable Changeable Message Signs To Remain On Project Throughout Construction And Be Located As Directed.

REVISIONS	DATE	BY	DESIGNED
			SGB
			DRAWN
			JDS
			CHECKED
			HJS
			APPROVED
			SGB

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
JOB No.
DATE
5/3/2019



PROJECT NAME
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

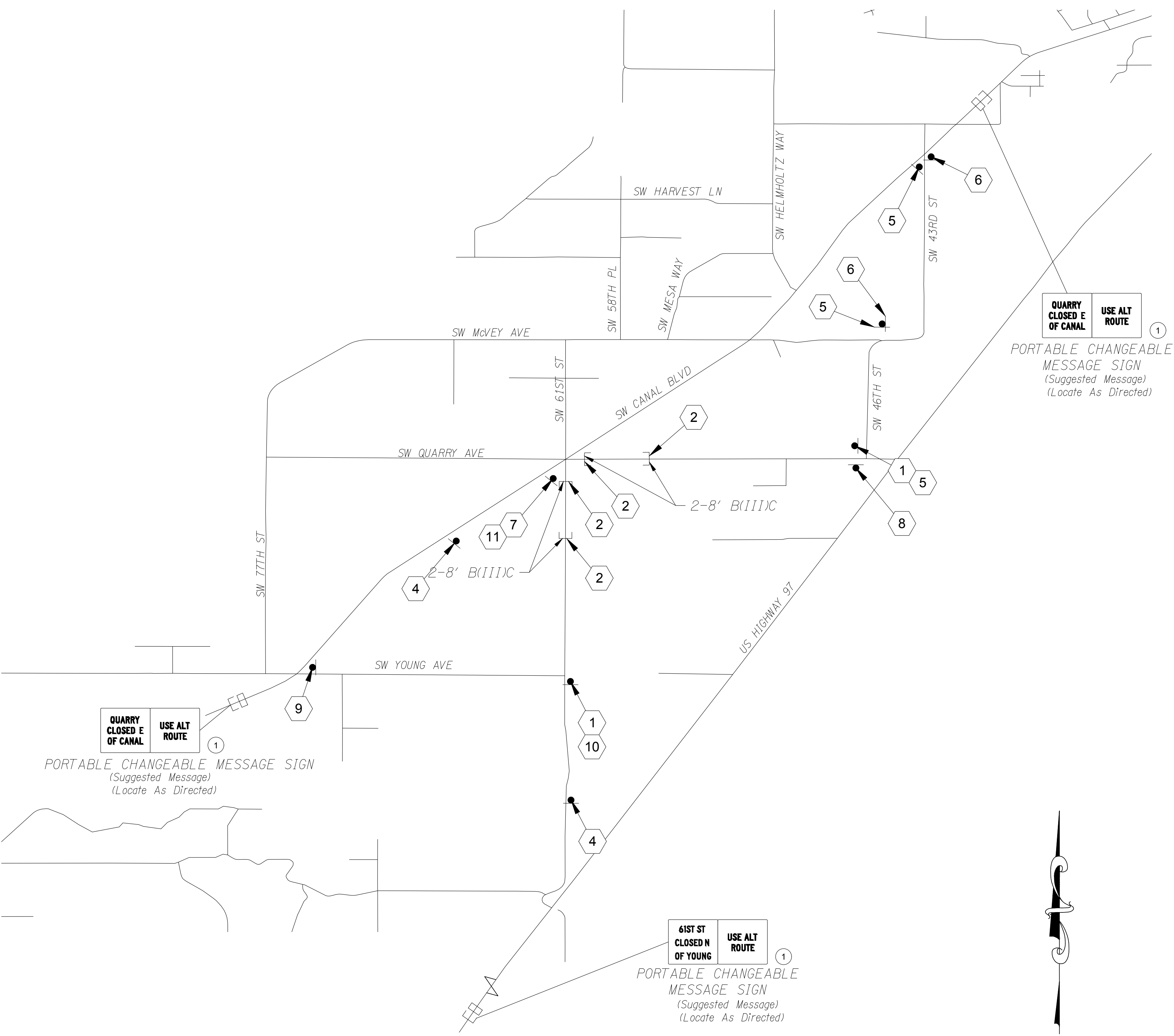
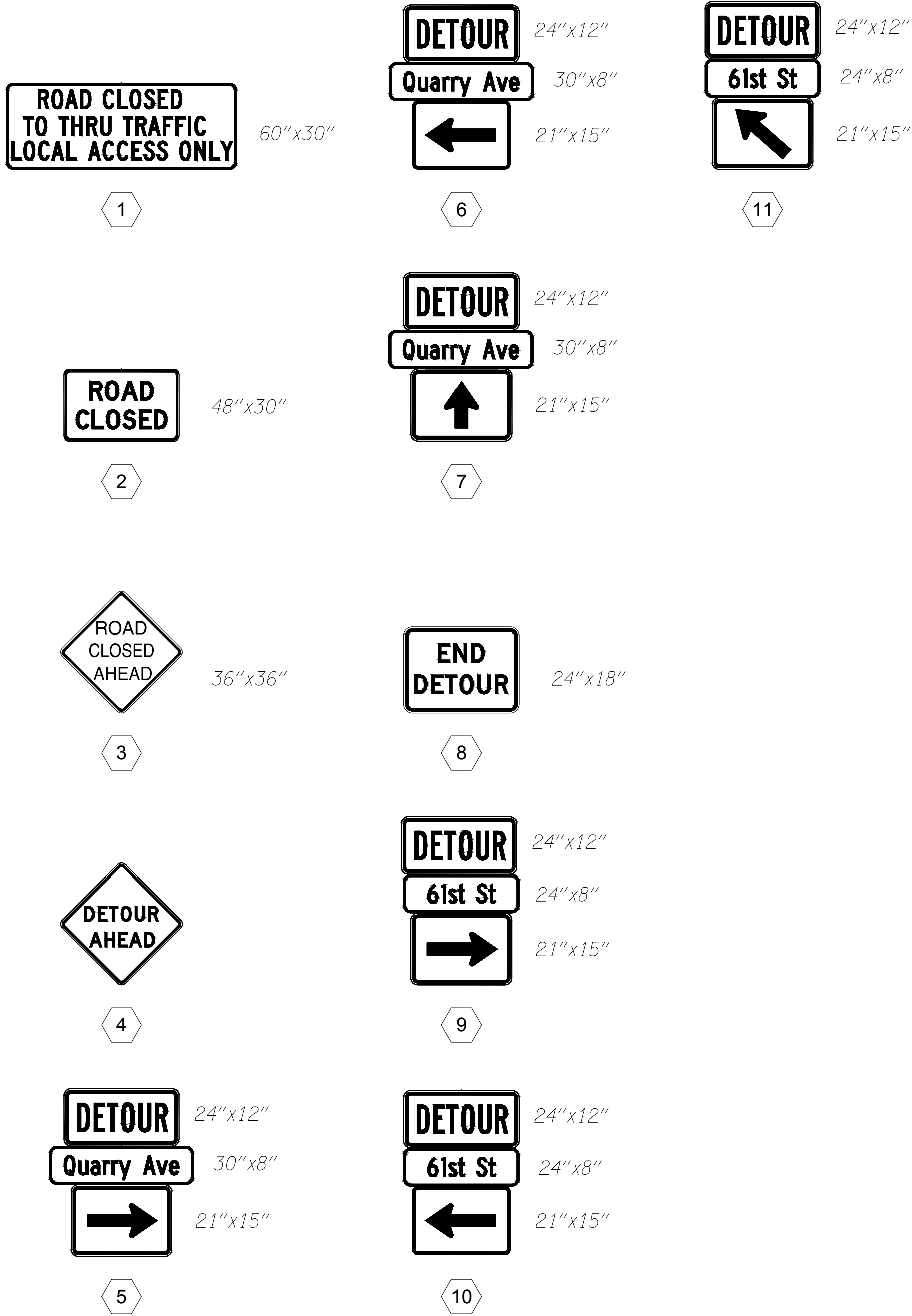
DETOUR PLAN - STAGES 3 & 5
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DRAWING NO. 32 OF 35
SS13

FOR BIDDING REFERENCE ONLY



DETOUR PLAN - STAGE 4  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



GENERAL NOTES

- All sign dimensions listed in inches unless otherwise noted.
- Maintain and protect existing signs.
- Ensure a minimum of 100' spacing between existing and temporary signs.

LEGEND

- Type III Barricade
- Post Mounted Detour Sign

CONSTRUCTION NOTES

- Portable Changeable Message Signs To Remain On Project Throughout Construction And Be Located As Directed.

REVISIONS	DATE	BY	DESIGNED
			SGB
			DRAWN
			JDS
			CHECKED
			HJS
			APPROVED
			SGB

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
JOB No.
DATE
5/3/2019



PROJECT NAME
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

DETOUR PLAN - STAGE 4
-----------------------

DRAWING NO.
33 OF 35
SS14

FOR BIDDING REFERENCE ONLY

LEGEND

- FDW** Install Central Electric Cooperative approved street light sleeve for embedded street light pole. See Central Electric Cooperative drawing number SR\_210. Sleeve shall be 14" diameter PVC or galvanized steel. Use 3/4" gravel to level sleeve as necessary.
- JB 1A** Install 10"W X 17"L X 12"H precast junction box with concrete apron.
- JB 2A** Install 12"Wx22"Lx12"H (min. dimension) precast concrete junction box with concrete apron
- LP** Central Electric Cooperative to furnish and install new Central Electric Cooperative approved street light. Street light pole shall be HAPCO embedded aluminum alloy light pole (Model No. RTA25C7BEM18) and street light shall be Cree (Model: BXSP C HT 3ME E 40K-UL SV with backlight shield). See "Street Light Pole Schedule".
- N** Light pole number (XX), see "Street Light Pole Schedule".
- PL** Install poly pull line (500# minimum strength).
- PS 2** Power source for 120/ 240 volt, single phase (field locate).
- S** Install (S) inch electrical grade sch 40 pvc conduit.
- SC N** Install 120/240 volt, single phase un-metered service cabinet N (N = Number)
- W** Install conduit and wire as required by power company

GENERAL NOTES

- All construction, workmanship, and materials shall be in accordance with Central Electric Cooperative electric service requirements.
- Foundations, junction boxes, and conduit shall be installed at locations shown on plans. If conflicts arise, foundation, junction box, and conduit locations may be modified in the field per the engineer's approval. All lighting equipment must be placed within the right-of-way. Place conduit in same trench as other conduits whenever possible.
- Location of existing utilities shall be verified. Coordinate all work with utility companies to eliminate conflicts.
- All proposed street lighting junction boxes, conduits, pull ropes, and street light sleeves shall be installed by contractor per Central Electric Cooperative requirements.
- All street light poles, luminaire arms, luminaires, lamps, pedestals, and wiring shall be furnished and installed by Central Electric Cooperative.
- Final light pole locations shall be approved in the field by the engineer prior to foundation installation.
- This illumination plans set is accompanied by Oregon Standard Drawing TM472.
- All conduit elbows shall be factory made and be long radius 36". For conduit runs longer than 150' or containing more than 270 degrees of bends, elbows shall be fiberglass.
- Contractor to coordinate with Central Electric Cooperative ten (10) business days in advance of commencing illumination work.
- All conduit runs shall be approved by Central Electric Cooperative before backfill.
- Cover and protect all new light pole sleeves.
- Conduit trenches no crossing a roadway shall be backfilled in accordance with Central Electric Cooperative (CEC) requirements. Conduit trenches crossing new roadway alignments shall be backfilled prior to paving according to "Trench Detail" (this sheet). The conduit trench crossing Canal Boulevard shall be sawcut in the existing pavement and prior to the pavement grind and inlay according to "Trench Detail" (this sheet).

LEGEND  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

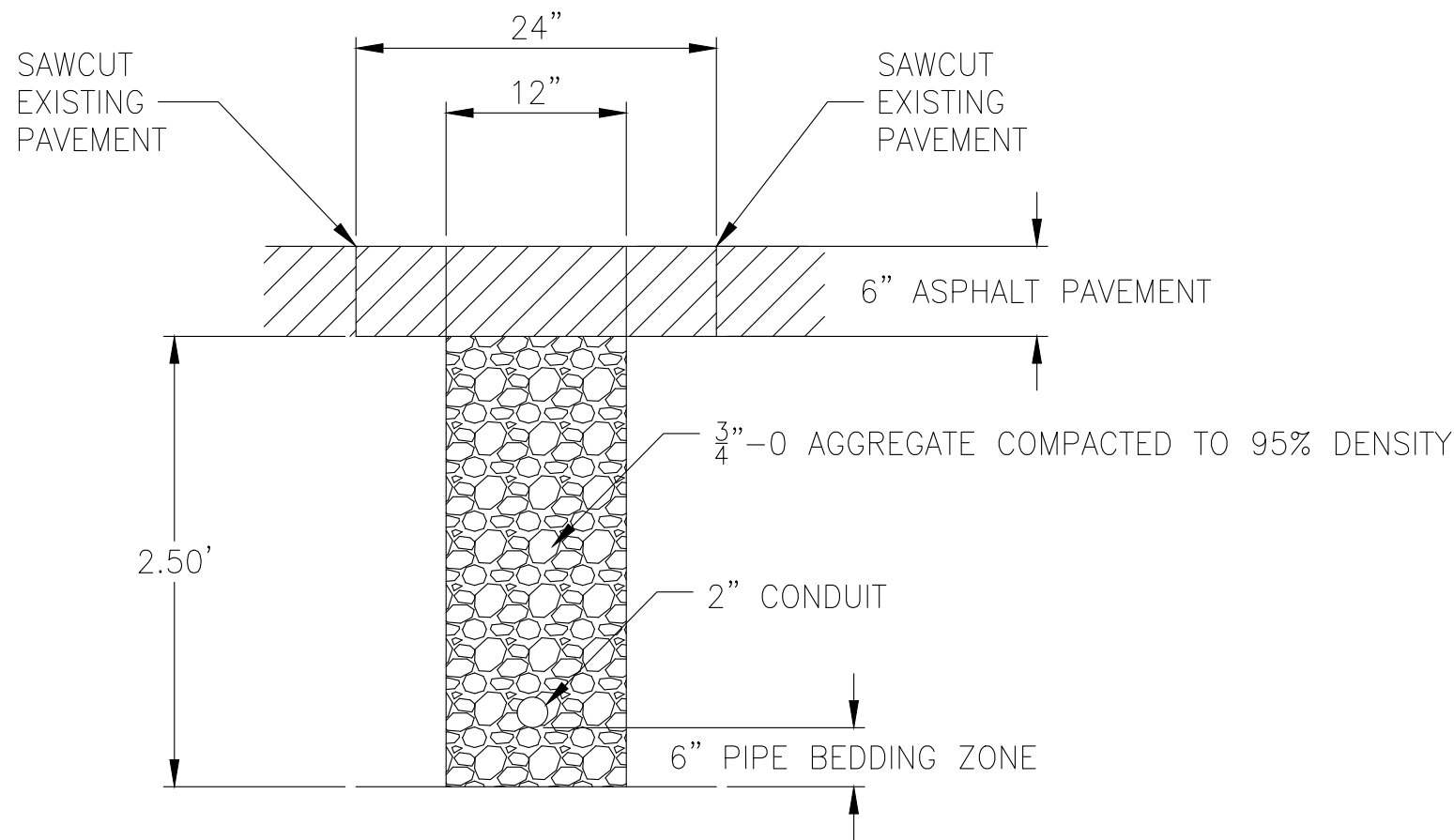
STREET LIGHT POLE SCHEDULE

POLE NO.	PEDSTAL NO.	STREET	STATION	OFFSET*	LUMINAIRE ARM LENGTH	LAMP	LUMINAIRE MOUNTING HEIGHT (FT)	TYPE	NOTES**
1A	--	Quarry Ave	QW 15+00	27.3' Rt.	12'	LED	25'	III	100 Watts
2A	--	Quarry Ave	QW 13+91	25.3' Rt.	12'	LED	25'	III	60 Watts
3A	--	61st St	61N 10+85	26.5' Rt.	12'	LED	25'	III	60 Watts
1B	--	Quarry Ave	QE 11+03	24.1' Rt.	12'	LED	25'	III	60 Watts
2B	--	61st St	61S 22+15	27.0' Rt.	12'	LED	25'	III	60 Watts
3B	--	Canal Blvd	Ca 779+19	36.0' Rt.	12'	LED	25'	III	100 Watts
4B	--	61st St	61S 20+62	41.2' LT	12'	LED	25'	III	100 Watts
5B	--	Canal Blvd	Ca 780+46	28.6' Lt.	12'	LED	25'	III	100 Watts

\* - Offset measured from roadway centerline.  
\*\* - To be furnished and installed by CEC

LIGHT LEVEL SUMMARY TABLE

ROADWAY/INTERSECTION	CLASSIFICATION		LIGHT LEVEL	UNIFORMITY	LIGHT LOSS FACTOR	BUG RATING
Quarry/61st	Rural Collector	TARGET	$\geq 0.6 f_c$	$\leq 4 : 1$	0.85	B1 UI G1
		DESIGN	$0.7 f_c$	$3.4 : 1$		
Quarry/61st/Canal	Rural Arterial	TARGET	$\geq 0.9 f_c$	$\leq 3 : 1$	0.85	B1 UI G1
		DESIGN	$1.1 f_c$	$2.7 : 1$		
61st/Quarry	Rural Collector	TARGET	$\geq 0.6 f_c$	$\leq 4 : 1$	0.85	B1 UI G1
		DESIGN	$0.7 f_c$	$2.3 : 1$		



TRENCH DETAIL

FOR BIDDING REFERENCE ONLY

REVISIONS	DATE	BY	DESIGNED SGB
			DRAWN JDS
			CHECKED HJS
			APPROVED SGB

<b>ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY</b>
FILE NAME
JOB No.
DATE 5/3/2019



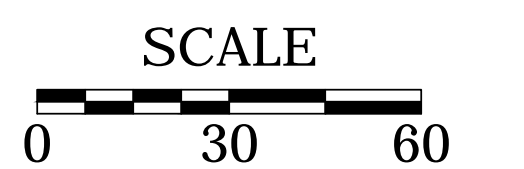
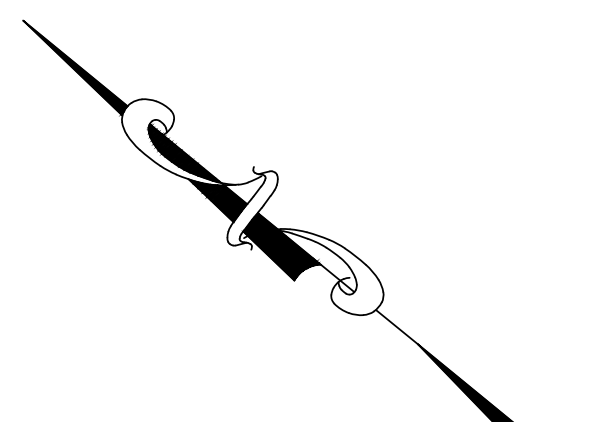
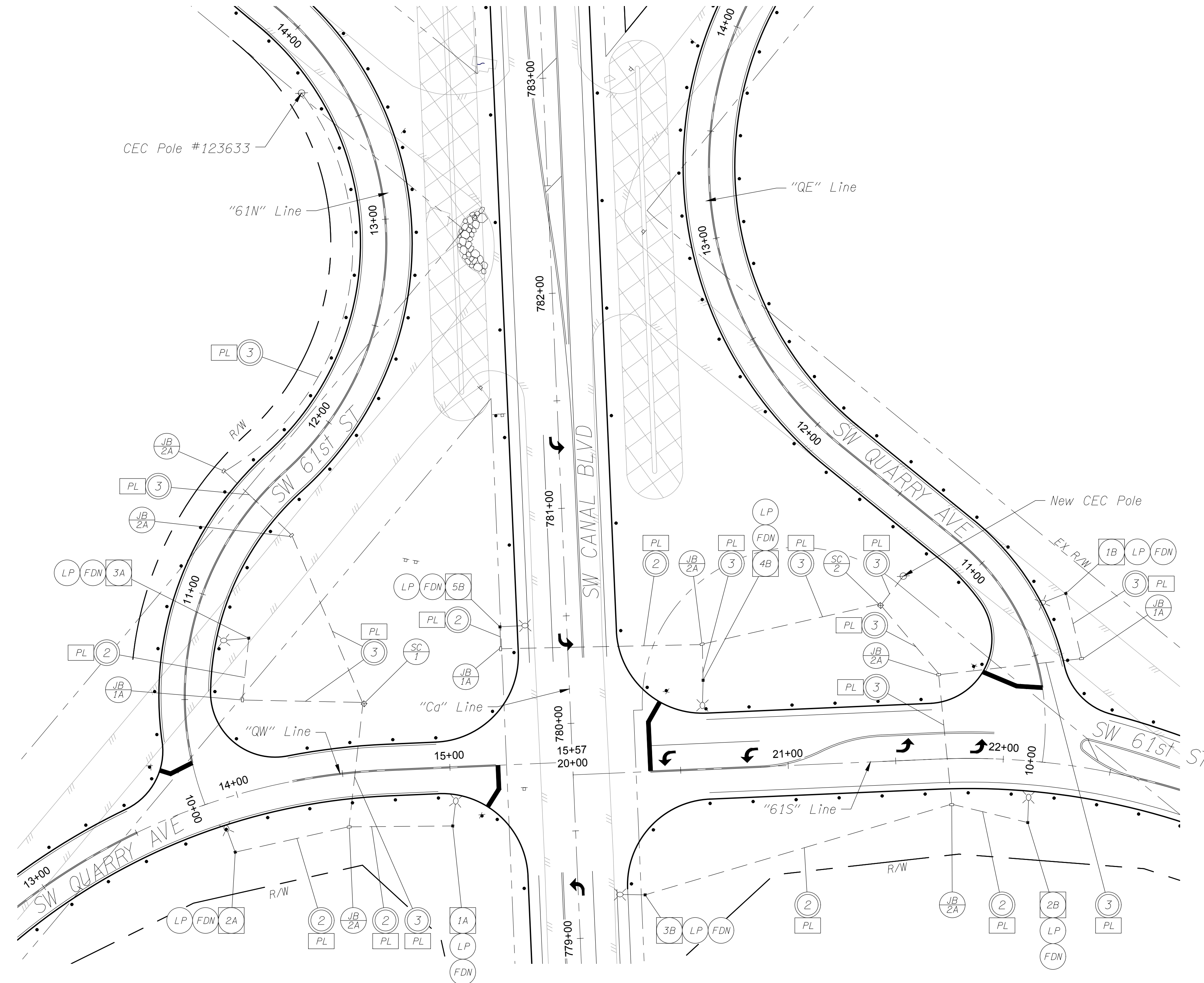
PROJECT NAME <b>SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS</b>
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<b>LEGEND</b>
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DRAWING NO. <b>34 OF 35</b>
<b>IL1</b>



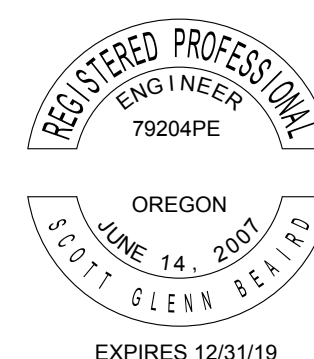
LIGHTING PLAN  
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS



FOR BIDDING REFERENCE ONLY

REVISIONS	DATE	BY	DESIGNED
			SGB
			DRAWN
			JDS
			CHECKED
			HJS
			APPROVED
			SGB

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	
JOB No.	
DATE	5/3/2019



PROJECT NAME
SW CANAL BLVD AT SIX CORNERS INTERSECTION IMPROVEMENTS

LIGHTING PLAN
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DRAWING NO. 35 OF 35
IL2